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A

BIBLIOGRAPHY

OF THE

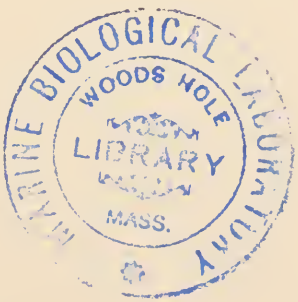
TUNICATA

1469–1910

BY

JOHN HOPKINSON, F.L.S., F.G.S., F.Z.S., &c.,

Secretary of the Ray Society



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PREFACE.

In preparing for publication by the Ray Society Alder & Hancock's 'British Tunicata' I found it necessary to compile a bibliography of works treating of British species which had appeared up to the time the authors ceased their labours on the Class. Joseph Alder died in 1867, Albany Hancock in 1873, and as he appears to have ceased to work at their MS. a few years after the death of his coadjutor, the end of the year 1870 seemed to be the best time to close all references to the species described.

The preparation of the present Bibliography was therefore undertaken in the first instance to that date for my own use only, but as other works besides those relating to British species were included, and in the course of its compilation it was found to have added many references to any previous bibliography of the Tunicata, it appeared to me that it might be useful to others if printed.

On suggesting this to Canon Norman, who was then giving me his advice and assistance in preparing for the press Alder & Hancock's monograph, he said that a bibliography of works which had appeared since the date named would be far more useful.

That was in the year 1906, when my idea was to make the bibliography merely a Supplement to the third volume of the 'British Tunicata.' I then com-

menced to add to it memoirs published since 1870, and have been doing so, and also adding to the earlier period, at such times as I could spare from other work for the last six or seven years. Sometimes long intervals have elapsed during which it has had to be laid aside, which circumstance, together with its having been compiled in two sections, first to 1870 and then to 1910, and also having had to be printed in two sections, first from A to L and then from M to Z, I must plead in excuse for occasional discrepancies and want of uniformity in treatment.

The authors of the 'British Tunicata' very seldom gave a date in their synonymy, nearly all the dates, as will be seen on referring to that work, having had to be supplied by me. To ascertain the actual year of publication of the memoirs cited was often a difficult matter, and indeed it was one in which I was not always successful. Mistakes also have occurred owing to false dates on title-pages, but some of these have been detected, as in Gmelin's edition (the 13th) of the 'Systema Naturæ' of Linnæus, the first volume of which, in seven parts, each being really a separate volume, bears the date 1788 on the title-page which covers the whole of the parts. That this date applies to the first part only is evident from the sixth part, which contains the Tunicata, having references to works more recently published, their dates however not being given. It was therefore necessary to find out the date of publication of the several parts, and this I succeeded in doing to within a few months, finding that they ranged from 1788 to 1793, the sixth part having been issued early in the year 1791. An account of this investigation appeared in the fourth part of the 'Proceedings of the Zoological Society of

London ' for 1907, which is the date on the title-page of the volume, although that part was issued in May, 1908, a date which appears on the cover only.

In such enquiries Mr. C. D. Sherborn's valuable papers giving the dates of publication of works issued at intervals have proved of great service.

A glaring instance of wrong dating appears in the 'Archiv für Naturgeschichte,' all the volumes of the bibliographical portion of which, from about the year 1885, are dated some years before they were published. Thus the date on the title-page of the volume which gives a list of the literature on the Tunicata for the years 1899 to 1902 is 1897. It was issued in 1904, a date which only appears on a corner of the cover. If that is not bound in with the volume the date of publication is therefore lost.

A frequent source of difficulty is the gathering together into one volume of several parts published in different years, the date on the title-page being that of the last part published. In such cases, and they are very numerous, an endeavour has been made to ascertain the date of publication of the memoir cited, but not always with success, and in all works recently examined, when such date does not correspond with the date on the title-page, that date has also been given after the number of the volume.

I have referred to this matter at some length in the hope that these lines may be seen by editors of journals, etc., published in parts, who have it in their power to very much lighten the labours of a bibliographer by giving, inside the volumes they edit, the date of publication, month and year, of each part of which the volume consists, adding for identification, if required, the pages of the part.

The compilation of this Bibliography has brought me into contact with the Librarians of several of our London Scientific Societies and other Institutions, to all of whom I desire to tender my thanks for their kind help. I may especially mention the Librarians of the Linnean Society and the Zoological Society, and those of the General and Zoological Libraries of the British Museum (Natural History) at South Kensington. In these Libraries, and also in that of the British Museum at Bloomsbury, nearly all my work has been done.

That the Bibliography is by no means complete I am fully aware. That it might be considerably extended is evident from the Addenda, the result (with the exception of a few cross-references) of researches carried on since the earlier section (A to L) was printed. I have found it impossible to gain access to many foreign books and memoirs quoted in bibliographies as containing references to the Tunicata. Only a few of these are included on the faith of the authority cited. I hope, however, that this work may prove to be of service not only to students of the Tunicata, but to all who have to refer to the literature relating to Marine Biology.

JOHN HOPKINSON.

Weetwood, Watford,
12*th March*, 1913.

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EXPLANATIONS.

With an alphabetical arrangement of the names of authors the sequence of their works is chronological so far as it could be ascertained. When more than one in the same year it is alphabetical under the first word in the title, except when they have appeared in the same journal, in which case the sequence is that in which they are printed.

The pages, etc., in brackets, refer to descriptions and figures of Tunicates or allusions to the Tunicata. A little further information is sometimes given when it can be done without appreciably lengthening the entry. Thus in nearly all the faunistic papers the number of species named or described is added.

As the Bibliography is not intended for English readers only, such foreign translations of English works as I have found are cited as well as translations of foreign works into English, or from any language into another. Thus the chief Latin, English, French, and German editions of Aristotle's 'Historia Animalium' are cited. The titles of all Russian memoirs are translated into English, except when a resumé in German follows the memoir, in which case the German title has, in one or two instances, been adopted.

The principal divisions of a work, mostly called volumes or the equivalent if in a foreign language, are almost invariably numbered in large Roman capitals unaccompanied by vol., tome, or Band, etc.; separately paged parts similarly in small Roman capitals; and parts not separately paged in Arabic type, but these as a rule are only given when the separate parts of a volume sometimes appear in different years. A series is indicated in parentheses preceding the volume.

The indented entries in smaller type are abstracts, but a selection only of those which appeared likely to be useful. Thus, except in the case of abstracts of unusual importance, they are confined to those in a different language or published in a different country from that in which the original memoir or a translation of it had appeared.

When more than one edition of a work is cited they are either the first and the last accessible to me, or those which differ most greatly or appear to be the best. When the difference is very slight, an edition is sometimes cited in type still smaller than that of the abstracts, and the same type is used for occasional remarks on the works.

The number of pages, etc., of independent publications is only given when it is so small that they may be considered pamphlets.

The abbreviations of the titles of periodical publications and other works are such as will be generally understood, but the titles of all journals and proceedings of Societies cited are given at the end of the volume, either in full or sufficiently so for certain identification, with their size (mostly 8°) and place of publication. Words or parts of words in parentheses indicate either that the title varies, or an occasional variation in the abbreviation for it.

BIBLIOGRAPHY

OF THE

TUNICATA.

A.

Achille, *Richard.*

1830. Tuniciers. (In) Dict. classique d'Hist. nat. XVI, p. 431. 8°. Paris.

Adams, *Henry & Arthur.*

1858. The Genera of Recent Mollusca; arranged according to their organization. 3 vols. 8°. London, 1853–58. [II, pp. 587–609; III, pls. cxxiii–cxxxvi.]

Ælianus, *Claudius.* (*Cir.* A.D. 200.)

1556. Claudii Æliani . . . opera, quæ extant, omnia, Græcè Latinéque è regione, . . . cura et opera Conradi Gesneri Tigurini. fol. Tiguri. De Animalium Natura libri XVII. [Lib. XIII, cap. XXVII, p. 286 (*Pulmo marinus*).]

1832. Æliani de Natura Animalium libri septemdecem. 2 vols. 8°. Jenæ. [I, Greek, p. 306; Latin, p. 200; II, Annotationes, p. 467.]

(Many other editions between these dates and up to 1864–66.)

Agassiz, *Alexander.*

1866. Description of *Salpa Caboti*, Desor. *Proc. Boston Soc. Nat. Hist.* XI, pp. 17–23, 2 pls., 5 text-figs.

1892. Reports on the Dredging Operations off the West Coast of Central America to the Galapagos, to the West Coast of Mexico, and in the Gulf of California, . . . II. General sketch of the Expedition of the "Albatross" from February to May, 1891. *Bull. Mus. Comp. Zool.* XXIII, 1, pp. 1–89, pls. i–xxii. [pp. 28–43 *passim*, 49–55, 78.]

1903. The Coral Reefs of the Maldives. *Mem. Mus. Comp. Zool.* XXIX, xxv + 168 pp., 82 pls., 14 text-figs. [pp. 155–159 *passim.*]

1905. Albatross Expedition to the Eastern Pacific. *Science*, (N.S.) XXI, pp. 178–183. [p. 180.]

Agassiz, *Jean Louis Rodolphe.*

1842–46. Nomenclator Zoologicus; continens nomina systematica generum Animalium; . . . 4°. Soluduri. [Mollusca, xiv + 98 pp., *passim.*]

(Index: 4°. 1846; 8°. 1848.)

1850. On the Embryology of *Ascidia* and the characteristics of new species from the Shores of Massachusetts. *Proc. Amer. Assoc.* 1849, pp. 157–159.

Agassiz, *Louis & Alexander.*

1870. Tunicata. (In) Gould's Report on the Invertebrata of Massachusetts. Ed. 2, comprising the Mollusca, by W. G. Binney. 8°. Boston (U.S.A.). [pp. 1–27, pls. xxii–xxiv, ff. 314–338.]

Aida, *T.*

1907. Appendicularia of Japanese Waters. *Jrn. Coll. Sci. Tokyo,* XXIII, 5, 25 pp., 4 pls.

1908. Japanese Appendicularians. *Jrn. R. Micr. Soc.* 1908, pp. 572–573.

Alcock, *Alfred William.*

1891. Natural History Notes from H.M.S. "Investigator." See Wood-Mason, J., & A. W. Alcock.

Alder, *Joshua.*

1848. Mollusca of Northumberland and Durham. *See* Alder, J., & A. Hancock.

1850. Additions to the Mollusca of Northumberland and Durham. *Trans. Tyneside Field Club,* I, 5, pp. 358–365. [pp. 362, 365.]

1863. Observations on the British Tunicata, with descriptions of several new species. *Ann. Nat. Hist.* (3) XI, pp. 153–173, pl. vii.

1865. Report on the Mollusca, pp. 5–11. (In) Reports of Deep Sea Dredging on the coasts of Northumberland and Durham, 1862–64. Edited by G. S. Brady. *Trans. Northumb. Durham,* I (1867), pp. 1–58. [pp. 6, 11 (13 sps.).]

1866. On *Chevreulius callensis,* Lacaze-Duthiers. *Ann. Nat. Hist.* (3) XVII, pp. 152–153.

1867. Notices of some Invertebrata, in connexion with the Report of Mr. Gwyn Jeffreys on Dredging among the Hebrides. *Rep. Brit. Assoc.* 1866, pp. 206–208. [pp. 207–208 (19 sps.).]

Alder, *J., & Albany* **Hancock.**

1848. Tunicata. (In) Catalogue of the Mollusca of Northumberland and Durham. By Joshua Alder. *Trans. Tyneside Field Club,* I (1850), pp. 97–209. [pp. 195–207.]

1905–7. The British Tunicata: an unfinished Monograph. Ed. by John Hopkinson. Vol. I (1905). With a History of the work by the Rev. A. M. Norman. xvi + 146 pp., pls. i–xx, text-ff. 1–24. Vol. II (1907). With Lives of the authors by Canon A. M. Norman and the late Dennis Embleton. xxviii + 164 pp., pls. xxi–l, text-ff. 25-87. (*Ray Society.*) 8°. London.

1905–7. *Amer. Jrn. Sci.* (4) XX, pp. 469–470; XXIII, p. 398.
1906–8. *Zool. Jahresb.* 1905, Tunicata, p. 3; 1907, p. 2.
1908. *Arch. Naturg.* LXIX, II, 3, Tunicata, pp. 9, 20, 21.

Aldrovandi, *Ulisse.*

1606. U. Aldrovandi . . . de reliquis Animalibus exanguibus libri quatuor post mortem ejus editi: nempe Mollibus, Crustaceis, Testaceis, et Zoophytis. fol. Bononiæ. [Lib. IV, cap. v, 2 figs. (De *Tethys*); cap. vii, 2 figs. (De *Mentula marina*); cap. ix, 1 fig. (De *Uva marina Rondeletii*).]

(Other editions in 1618, 1642, &c.)

Alessi, *Guiseppe.*

1898. Appunti sui Tunicati; descrizione e sistematica. 13 pp. 8vo. Avola.

Allen, *Edgar Johnson, & R. A.* **Todd.**

1902. The Fauna of the Exe Estuary. *Jrn. Marine Biol. Assoc.* (N. S.) VI, 3, pp. 295–335, with chart. [pp. 330–331 (2 sps.).]

Allman, *George James.*

1852. On the Homology of Organs and the Affinities of the Polyzoa and Tunicata. *Proc. Roy. Irish Acad.* V (1853), pp. 237–239.

1853. On the Homology of the Organs of the Tunicata and the Polyzoa. *Trans. Roy. Irish Acad.* XXII, 4, pp. 275–290, 5 figs.

1853. *Arch. Naturg.* XIX, II, pp. 138–139.

1858. On the peculiar appendage of *Appendicularia,* named "Haus" by Mertens. *Proc. Roy. Soc. Edinb.* IV (1862), p. 123. (And) *Qrt. Jrn. Micr. Sci.* VII, pp. 86–89.

1859. Sur l'appendice particulier des Appendiculaires nommé "Haus" par Mertens. (Transl.) *Arch. Sci. phys. nat.* (2) V, p. 184.

Ambronn, *Hermann.*

1889. Pleochroismus gefärbter anisotroper Substanzen des Thierkörpers. *Arch. ges. Physiol.* XLIV, pp. 301–305. [pp. 302–303.]

Andrews, *Ethan Allen.*

1892. Notes on the Fauna of Jamaica. *Johns Hopkins Univ. Circ.* XI, pp. 72–77. [p. 76.]

Ansted, *David Thomas, & Robert Gordon* **Latham.**

1862. The Channel Islands. 8°. London. [p. 219 (46 sps.).]

Appellöf, *Ad.*

1892. Om Bergensfjordenes faunistiske præg. *Bergens Mus. Aaresb.* 1891, 2, 14 pp. [pp. 7, 8 (*Phallusia* and *Ciona*).]

1909. Oversigt over Norsk fiskeri- og havforskning 1900–1908. (Review of Norwegian Fishery and Marine Investigations 1900–1908.) (In) Report on Norwegian Fishery and Marine Investigations, II, 1, 204 pp. Ed. by Johan Hjort. 4°. Bergen. [pp. 92, 93 (3 sps.).]

Apstein, *Carl.*

1894. Die Salpen der Berliner zoologischen Sammlung. *Arch. Naturg.* LX, I, 1, pp. 41–54, pl. v. [12 sps.]

1894. *Salpæ* of Berlin Museum. *Jrn. R. Micr. Soc.* 1894, p. 183.

1894. Die Thaliacea der Plankton-Expedition. B. Vertheilung der Salpen. (In) Ergebnisse der Plankton-Exped. der Humboldt-Stiftung. By V. A. C. Hensen. II, E. a. B. 68 pp., pls. ii–iv, 14 text-figs. 4°. Kiel & Leipzig.

1894. *Zool. Centralbl.* I, pp. 859–861.
1895. *Zool. Jahresb.* 1894, Tunicata, p. 10.
1895. *Zool. Record,* XXXI, Tunicata, pp. 6–7.

1901. Salpidæ (Salpen). (In) K. Brandt's Nordisches Plankton, I, 3, pp. 5–10, ff. 5–11 (3 sps.). 8°. Kiel & Leipzig.

1901. *Zool. Centralbl.* IX, pp. 541–542.

1904. Salpes d'Amboine. Voyage de MM. M. Bedot et C. Pictet dans l'Archipel Malais. *Rev. Suisse Zool.* XII, pp. 649–656, pl. xii. [7 sps.]

1905. *Zool. Zentralbl.* XII, pp. 249–250.
1907. *Arch. Naturg.* LXVII, II, 3, p. 593.

1905. Die Schätzungsmethode in der Planktonforshung. (In) Wiss. Meeres. Komm. deutsch. Meere, (N. F.) VIII, Abt. Kiel, pp. 103–123, 2 pls., 3 text-figs. 4°. Kiel & Leipzig. [pp. 107–122 *passim*, f. 1.]

Apstein, *C.*

1906. Die Salpen der deutschen Südpolar-Expedition. (In) Deutsche Südpol.-Expedit. 1901–1903, IX, Zool. I, pp. 155–203, pls. viii–x, 42 text-figs. 4°. Berlin.

1906. Plankton in Nord- und Ostsee auf den deutschen Terminfahrten. 1 Teil. (In) Wiss. Meeres. Komm. deutsch. Meere, (n. f.) IX, Abt. Kiel, pp. 1–26, 10 tables, 14 figs. 4°. Kiel & Leipzig. [p. 11, tables *passim.*]

1906. Salpen der deutschen Tiefsee-Expedition. (In) Wiss. Ergebnisse der Deutsch. Tiefs.-Expedit. . . . 1898–99, XII, 3, pp. 245–290, pls. xxvi–xxxii, 15 text-figs. 4°. Jena.

1910. Das Vorkommen von Salpen in arktischen Gebieten. (In) Römer and Schaudinn's Fauna Arctica, V, pp. 1–12, 13 figs. 4°. Jena.

Aristotle. (*Cir.* b.c. 330.)

1476. Aristotelis de Historia Animalium libri X. Interprete T. Gaza. fol. Venetiis. [*Tethya*, lib. iv, cap. iv, par. 2; cap. vi, pars. 1–3; cap. viii, par. 19; lib. v, cap. xv, par. 8; lib. viii, cap. i, par. 3.]

(Other early editions vary in title; *e.g.* De Animalibus Historia [1587], Historia de Animalibus [1619].)

1492. Aristotelis de Partibus Animalium libri quattuor. Interprete T. Gaza. fol. Venetiis. [Lib. iv, cap. v.]

(Other early editions: *e.g.* De Partibus Animalium [1524], De Animalium Partibus [1583].)

1783. Histoire des Animaux d'Aristote, avec la traduction française. Par M. Camus. 2 vols. 4°. Paris. [I, pp. 190–191, 202–203, 218–219, 272–273, 452–453; II, Notes, pp. 796–797.]

1809. The History of Animals of Aristotle and his Treatise on Physiognomy. Transl. by Thomas Taylor. 4°. London. [pp. 119, 126–127, 136, 169, 283, 483.]

1810. The Treatises on the Parts, and Progressive Motions of Animals. Transl. by Thomas Taylor. 4°. London. [pp. 124–125.]

1862. History of Animals. Transl. by Richard Cresswell. 8°. London. [pp. 82, 87, 94, 117, 195.]

1868. Aristoteles Thierkunde: Kritisch-berichtiger Text mit deutscher Uebersetzung . . . von H. Aubert und F. Wimmer. 2 vols. 4°. Leipzig. [I, pp. 392–393, 406–409, 428–429, 490–491; II, pp. 112–113.]

1882. Aristotle on the Parts of Animals. Transl. by W. Ogle. 8°. London. [pp. 103–105; Notes, pp. 223, 226–227.]

Arldt, *Theodor.*

1907. Die Entwicklung der Kontinente und ihrer Lebewelt. Ein Beitrag zur vergleichenden Erdgeschichte. 8°. Leipzig. [pp. 7, 353, 374, 380, 390, 565.]

Arsenieff, *H. A.*

1872. [Development of the Mantle in *Ascidia intestinalis* and *mamillaris*.] (In Russian.) *Izv. Obshch. Moskow Univ.* IX, pp. 86–88.

1875. *Zool. Record*, X, p. 180.

Audouin, *Jean Victor.*

1826. Explication sommaire des planches d'Ascidies de l'Égypte et de la Syrie, publiées par Jules-César Savigny. (In) Description de l'Égypte. Histoire naturelle, 2 vols., and Atlas, 3 vols. 4°. Paris, 1809–29. [I, 4, pp. 215–224.]

Audouin, *J. V., & Henri Milne* **Edwards.**

1828. Résumé des recherches sur les Animaux sans Vertèbres faites aux îles Chausey. *Ann. Sci. nat.* XV, pp. 5–19. [pp. 8–14.] Rapport par Cuvier et Duméril, pp. 111–112.

1829. *Notizen*, XXIII, col. 81.

1832. Recherches pour servir à l'histoire naturelle du Littoral de la France. 2 vols. 8°. Paris, 1832–34. Voyage à Granville, aux îles Chausey, et à Saint-Malo. I. Introduction. [pp. 70–73, 82–83, 138–139, 142–143, 161, 235–236.]

1834. Untersuchungen über die wirbellosen Thiere angestellt auf den Chausen-Inseln. *Isis*, 1834, cols. 1029–1030. [col. 1029.]

Aurivillius, *Carl Wilhelm Samuel.*

1883. Bidrag till kannedomen om Krustaceer, som lefva hos Mollusker och Tunikater. I and II. *Oefvers. Svenska Vet.-Akad. Förh.* XXXIX, pp. 31–67, 3 pls.; pp. 41–117.

1885. Crustacés parasites des Tuniciers artiques. *Bull. Soc. zool. France*, X, pp. 281–282.

1886. Crustacea parasitic on Arctic Tunicata. *Jrn. Roy. Micr. Soc.* (2) VI, p. 440.

1894. Redogörelse för de Svenska hydrografiska undersökningarne åren 1893–1894. III. Planktonundersokningar: Animalisk plankton. *Bih. Svenska Vet.-Akad. Handl.* XX (1895), IV, 3, 18 pp., 7 tables. [Appendikularier, in tables.]

1896. Das Plankton der Baffins Bay und Davis' Strait. (In) Zoologiska Studier. Festskrift Wilhelm Lilljeborg. 4°. Upsala. [pp. 186, 188, 197, 212.]

Aurivillius, *C. W. S.*

1898. Vergleichende thiergeographische Untersuchungen über die Plankton-fauna des Skageraks in den Jahren 1893–1897. *Svenska Vet.-Akad. Handl.* (N.F.) XXX, 3, 427 pp. [pp. 75–76, 86–87, 125; and 131–416 *passim* (5 sps.).]

1899. Animalisches Plankton aus dem Meere zwischen Jan Meyen, Spitzbergen, K. Karls Land, und der nordkuste Norwegens. *Svenska Vet.-Akad. Handl.* (N.F.) XXXII, 6, 71 pp., 5 figs. [pp. 25, and 42–71 *passim* (2 sps.).]

Averintzev, *S.*

1907. [Report of the Sub-Director of the Biological Station of Mourmane.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.*, Trudni, XXXVIII, 1, pp. 49–68. [p. 62 (15 sps.).]

1908. Einige Beiträge zur Verbreitung der Bodenfauna im Kola-Fjorde. *Trav. Soc. Nat. St. Pétersb.*, Trudni, XXXIX, 1, pp. 195–203. [p. 202.]

Avicenna, *Oratio.*

1608. Opera omnia. [I, pp. 11–19.] (*Fide* Herdman.)

Ayers, *Howard.*

1906. The Unity of the Gnathostome Type. *Amer. Naturalist,* XL, pp. 75–94. [pp 77, 89.]

B.

Baer, *Karl Ernst von.*

1845. Neue Untersuchungen über die Entwicklungsgeschte der Thiere. *Bull. Acad. Sci. St. Pétersb.* V, cols. 231–240. [cols. 233–234.]

1846. *Notizen*, XXXIX, cols. 33–40.
1847. *Institut*, XV, p. 173.

1873. Entwickelt sich die Larve der einfachen Ascidien in der ersten Zeit nach dem Typus der Wirbelthiere? *Mém. Acad. Sci. St. Pétersb.* (7) XIX, 8, 36 pp., 1 pl. (And sep.) 4°. Leipzig.

1874. *Lit. Centralbl. Deutschl.* XXI, cols. 690–691.
1875. *Zool. Record*, X, p. 180.

Baird, *William.*

1858. A Cyclopædia of the Natural Sciences. 8°. London & Glasgow. [pp. 77–78, 146–147, 458, 482, 560–561.]

Balfour, *Francis Maitland.*

1880–81. A Treatise on Comparative Embryology. 2 vols. 8°. London. [I (1880), pp. 4, 10, 11, 41–43, 60, 84, 171, 353. II (1881), pp. 8–32, 243–244, 326, 436–438, 616, 631, 634, 637, ff. 5–14, 181, 296, 306, 423.]

Balfour, *F. M.*

1885. The Works of Francis Maitland Balfour. Memorial Edition. 4 vols. 8°. London. II and III. A Treatise on Comparative Embryology. [II, pp. 5, 13, 14, 52–53, 74, 102, 208, 426. III, pp. 9–39, 294, 394, 507–509, 530–532, 749, 768, 771–772, 774, ff. 5–14, 181, 296, 306, 423.]

Ballowitz, *Emil.*

1894. Bemerkungen . . . über die Samenkörper der Arthropoden, nebst . . . die Tunicaten, etc. *Monthly Internat. Jrn. Anat. Physiol.* XI, pp. 245–280, pl. xii, xiii. [pp. 249–251, pl. xii, ff. 7–12 (*Ciona intestinalis*).]

1897. Ueber Sichelkerne und Riesensphären in ruhenden Epithelzellen. *Anat. Anzeig.* XIII, pp. 602–604. [p. 604 (*Salpa*).]

1897. Ueber Sichtbarkeit und Aussehen der ungefärbten Centrosomen in ruhenden Gewebszellen. *Zeitschr. wiss. Mikr.* XIV, pp. 355–359. [*Salpa.*]

1899. Sur l'évidence et l'aspect des centrosomes non colorés dans des cellules de tissu au repos. *Année biol.* III, p. 33.

1898. Notiz über die oberflächliche Lage des Centralkörpers in Epithelien. *Anat. Anzeig.* XIV, pp. 369–372. [p. 371 (*Salpa*).]

1898. Ueber Ringkerne, ihre Entstehung und Vermehrung. *Biol. Centralbl.* XVIII, pp. 286–299. [pp. 294–296 (*Salpa*).]

1898. Zur Entstehung des Zwischenkörpers. *Anat. Anzeig.* XIV, pp. 390–405. [p. 398 (*Salpa*).]

1898. Ueber Kernformen und Sphären in den Epidermiszellen der Amphioxuslarven. *Anat. Anzeig.* XIV, pp. 405–407. [pp. 406, 407 (*Salpa*).]

1898. Zur Kenntnis der Zellsphäre. Eine Zellenstudie am Salpenepithel. *Arch. Anat. Physiol.* 1898, Anat. pp. 135–198, pls. viii–xi.

Bancroft, *Frank Watts.*

1897. Notes on *Chelysoma productum,* Stimpson. *Science,* (2) V, p. 435.

1898. *Zool. Centralbl.* V, pp. 423–424.

1898. On the Anatomy of *Chelysoma productum* Stimpson. *Proc. California Acad.* (3) Zool. I, 8, pp. 309–332, pl. xviii.

1899. *Zool. Centralbl.* VI, pp. 836–837.

1898. Ovogenesis in *Distaplia occidentalis* Ritter (MS.), with remarks on other forms. *Science,* (2) VIII, pp. 176–177.

Bancroft, *F. W.*

1899. A new function of the Vascular Ampullæ in the Botryllidæ. *Zool. Anzeig.* XXII, pp. 450–462, 2 figs. [p. 457.]

1900. Vascular Ampullæ in Botryllidæ. *Jrn. R. Micr. Soc.* 1900, p. 36.

1899. Ovogenesis in *Distaplia occidentalis*, Ritter (MS.), with remarks on other species. *Bull. Mus. Comp. Zool.* XXXV, 4, pp. 59–112, pls. i–vi.

1900. Ovogenesis in Tunicates. *Jrn. R. Micr. Soc.* 1900, p. 188.

1900. *Zool. Jahresb.* 1899, Tunicata, pp. 7–8, 9. [Above two memoirs.]

1901. *Zool. Centralbl.* VIII, pp. 176–178.

1903. Æstivation of *Botrylloides gascoi*, Della Valle. (In) Mark Anniversary Volume, pp. 147–166, pl. xi. 4°. New York.

1904. Æstivation of *Botrylloides gascoi*. *Jrn. R. Micr. Soc.* 1904, pp. 47–48.

1905. *Zool. Jahresb.* 1904, Tunicata, p. 11.

1905. *Zool. Zentralbl.* XII, pp. 250–252.

1903. Variation and fusion of Colonies in Compound Ascidians. *Proc. California Acad.* (3) III, Zool. 5, pp. 137–186, pl. xvii, 3 text-figs.

1904. *Zool. Jahresb.* 1903, Tunicata, pp. 6–8.

Bancroft, *F. W., & C. O.* **Esterly.**

1903. A case of physiological polarization in the Ascidian Heart. *Univ. California. publ.*, Zool. I, 2, pp. 105–114.

1905. Physiological polarisation in Ascidian Heart. *Jrn. R. Micr. Soc.* 1905, pp. 177–178.

1905. *Zool. Zentralbl.* XII, p. 250.

Barbut, *Jacques.*

1783. The Genera Vermium exemplified by various specimens of the animals contained in the orders of the Intestina et Mollusca Linnæi, drawn from nature. 4°. London. 2 pts. 1783, 1788. [1, pp. 47–51, pl. v, ff. 1–3.]

Barrett, *L.*

1856. Mollusca of Drontheim and the North Cape. *See* McAndrew, R., & L. Barrett.

Barrois, *Jules.*

1877. Une Appendiculaire des côtes de la Manche. *Bull. Sci. dép. Nord.* VIII, pp. 113–115.

1881. Mémoire sur les membranes embryonnales des Salpes. *Jrn. Anat. Physiol.* (Robin) XVII, pp. 455–498, pls. xvii, xviii.

1882. Embryonic Membranes of the Salpidæ. *Jrn. R. Micr. Soc.* (2) II, pp. 182–183.

BARROIS, *J.*

1885. Recherches sur le cycle génétique et le bourgeonnement de l'Anchinie. *Jrn. Anat. Physiol.* XXI, pp. 193–267, pls. viii–xii.

1885. Genetic Cycle and Germination of *Anchinia*. *Jrn. R. Micr. Soc.* (2) V, p. 630.

1886. *Zool. Jahresb.* 1885, IV, pp. 6–7.

1887. L'histoire de l'Anchinie. *See* KOWALEVSKY, A., & J. BARROIS.

Bassett-Smith, *Percy William.*

1894. China Sea. Report on the results of dredgings obtained on the Macclesfield Bank, . . . 1888, 1892, 1893. 42 pp., 2 pls., etc. fol. London. [pp. 36–41 *passim.*]

Baster, *Job.*

1760. J. Basteri . . . Opuscula subseciva, . . . 2 vols. 4°. Harlemi, 1759–65. [I, 2, pp. 84–86, pl. x, f. 5 (De Ascidio).]

1762. Natuurkundige Uitspannigen, . . . 2 vols. 4°. Haarlem, 1759–65. [I, 2, pp. 97–98, pl. x, f. 5 (*Ascidium*).]

Bateson, *William.*

1894. Materials for the Study of Variation treated with especial regard to Discontinuity in the Origin of Species. 8°. London. [pp. 171–172, 456.]

Bather, *Francis Arthur.*

1899. The Fauna of the Sound. *Nat. Science,* XV, pp. 263–273. [p. 266 (Oscidians *male pro* Ascidians).]

Baudement, *E.*

1848. Tuniciers. (In) Dict. univ. d'Hist. nat. XII, p. 733. 8°. Paris.

Bauhin, *Caspar.*

1623. Pinax Theatri Botanici. 4°. Basileæ. [pp. 368–369.]

Bauhin, *Johann, & J. H.* **Cherler.**

1651. Historia plantarum universalis nova et absolutissima . . . 3 vols. fol. Ebroduni, 1650–51. [III, pp. 795, 817, figs.]

Beard, *J., & J. A.* **Murray.**

1895. On the Phenomena of Reproduction in Animals and Plants. Reducing division in Metazoan Reproduction. *Ann. Botany,* IX, pp. 448–455. [p. 452 (*Ascidia*).]

Beddard, *Frank Evers.*

1892. Animal Coloration. 8°. London & New York. [pp. 33, 122 (*Salpa*).]

Bedot, *Maurice.*

1909. Sur la faune de l'Archipel Malais. (Resumé.) *Rev. Suisse Zool.* XVII, pp. 143–169. [pp. 167–168 (20 sps.).]

Bell, *Alfred.*

1898. On the Pliocene Shell-beds at St. Erth. *Trans. Geol. Soc. Cornwall,* XII (1905), pp. 111–166, 3 pls. [pp. 164, 166 (*Leptoclinum tenue*).]

Bell, *Francis Jeffrey.*

1901. Guide to Shell and Starfish Galleries, British Museum. See Smith, A. E., F. J. Bell, & R. Kirkpatrick.

Bell, *Thomas.*

1845. *Ascidia.* (In) Encyclopædia Metropolitana, XV, p. 3. 4°. London.

Belon, *Pierre.*

1553. Les Observationes de plusieures singularitez et choses mémorable, trouvées en Grece, Asie, Judée, Egypte, Arabie, et autres pays estranges. 4°. Paris. [fueil. 70, 129, 130 (Salpes) ; fl. 81 (Alcyonium cinq.).]

1553. Petri Bellonii Cenomani De Aquatilibus, Libri duo . . . 8°. Parisiis. [pp. 438–439 (*Pulmo marinus*).]

Beneden, *Édouard van.*

1875. Rapport [sur Chandelon's Recherches des Tuniciers]. *Bull. Acad. Sci. Belg.* (2) XXXIX, pp. 785–786.

1881. Existe-t-il un Cœlome chez les Ascidies? *Zool. Anzeig.* IV, pp. 375–378.

1881. Cœlom of the Ascidians. *Jrn. R. Micr. Soc.* (2) I, p. 727.
1887. *Arch. Naturg.* LI, II, 3, p. 119.

1881. Sur quelques points rélatifs à l'organisation et au développement des Ascidies. *Compt. rend. Acad. Sci.* XCII, pp. 1238–1241.

1882. Organization and Development of the Ascidians. *Jrn. R. Micr. Soc.* (2) II, pp. 180–181.

1887. Les genres *Ecteinascidia* Herd., *Rhopalæa* Phil., et *Sluiteria* (nov. gen.). Note pour servir à la classification des Tuniciers. *Bull. Acad. Sci. Belg.* (3) XIV, pp. 19–45, figs.

1888. Classification of Tunicata. *Jrn. R. Micr. Soc.* 1888, pp. 206–207.
1891. *Arch. Naturg.* LIV, II, 3, p. 6.

1887. Les Tuniciers, sont-ils des Poissons dégénérés? *Zool. Anzeig.* X, pp. 407–413, 433–436, 582–583.

1887. Are the Tunicata degenerate Fishes? *Jrn. R. Micr. Soc.* 1887, p. 944.

Beneden, *É. van, & Charles* **Julin.**

1884. La segmentation chez les Ascidiens dans ses rapports avec l'organisation de la larve. *Bull. Acad. Sci. Belg.* (3) VII, pp. 431–447, pls. i, ii. (And) *Arch. Biologie,* V, 1, pp. 111–126, pls. vii, viii.

1884. Segmentation of Ascidians. *Jrn. R. Micr. Soc.* (2) IV, pp. 873–874.

1885. *Zool. Jahresb.* 1884, IV, p. 4.

1884. Le système nerveux central des Ascidies adultes et ses rapports avec celui des larves Urodèles. *Bull. Acad. Sci. Belg.* (3) VIII, pp. 13–72, pls. i–iv. (And) *Arch. Biologie,* V, 2, pp. 317–367.

1884. Relation of the nervous system of the adult Ascidian to that of the tailed Larvæ. *Jrn. R. Micr. Soc.* (2) IV, pp. 874-875.

1885. *Zool. Jahresb.* 1884, IV, pp. 2, 8, 10.

1884. Les orifices branchiaux externes des Ascidiens et la formation du cloaque chez *Phallusia scabroïdes,* nov. sp. *Bull. Acad. Sci. Belg.* (3) VIII, pp. 631–646, pl. viii.

1885. Recherches sur le développement postembryonnaire d'une Phallusie (*Phallusia scabroides,* nov. sp.). *Arch. Biologie,* V, 4, pp. 611–638, pl. xxxiii.

1885. Postembryonal development of *Phallusia scabroides* (n. sp.). *Jrn. R. Micr. Soc.* (2) V, pp. 795–796.

1886. *Zool. Jahresb.* 1885, IV, pp. 2, 5.

1886. Recherches sur la Morphologie des Tuniciers. *Arch. Biologie,* VI (1887), pp. 237–476, pls. vii–xvi.

1887. Morphology of Tunicata. *Jrn. R. Micr. Soc.* 1887, pp. 62–65.

1888. *Zool. Jahresb.* 1886, Tunicata, pp. 3–4, 5–7.

Beneden, *Pierre Joseph van.*

1846. Mémoire sur l'Embryogenie, l'Anatomie, et la Physiologie des Ascidies simples. *Bull. Acad. Sci. Belg.* XIII, pp. 76–86.

1846. *Institut,* XIV, cols. 265–267.

1846. Abstract of a Memoir on the Embryogeny, the Anatomy and Physiology of the Simple Ascidians. *Ann. Nat. Hist.* (1) XVII, pp. 248–254.

1846. Ueber die Embryogenie, Anatomie, und Physiologie der einfachen Ascidien. *Neue Notizen,* XXXVIII, cols. 225–231.

1846. Recherches sur l'Embryogenie, l'Anatomie, et la Physiologie des Ascidies simples. 66 pp., 4 pls. 4°. Bruxelles. (And) *Nouv. Mém. Acad. Sci. Belg.* XX (1847), 1, 66 pp., 4 pls.

1847. *Arch. Natury.* XIII, II, pp. 407–408.

1847. Un mot sur le mode de Reproduction des Animaux inferieurs. *Bull. Acad. Sci. Belg.* XIV, 1, pp. 448–462, 1 pl. [pp. 448, 449, 460–461.]

Beneden, *P. J. van.*

1875. Rapport [sur Chandelon's Recherches des Tuniciers]. *Bull. Acad. Sci. Belg.* (2) XXXIX, pp. 784–785.

Bennett, *Frederick Debell.*

1833. [Luminosity of *Pyrosoma.*] *Proc. Zool. Soc. Lond.* I, pp. 79–80. [Exhibited specimens.] *Ibid.* pp. 80–81.

1837. Marine Noctilucæ. *Proc. Zool. Soc. Lond.* V, pp. 51–52. [Chiefly Tunicata.]

1841. Ueber die Noctilucæ marinæ. *Isis,* 1841, col. 916.

Bennett, *George.*

1834. Wanderings in New South Wales, . . . 1832, 1833, and 1834. 2 vols. 8°. London. [I, pp. 35–42; II, pp. 421–432 (luminosity of *Pyrosoma*).]

1835. In Beziehung auf das Leuchten der Acephalen. (Extr.) *Notizen,* XLIII, cols. 9–10.

1837. Observations on the Phosphorescence of the Ocean, made during a voyage from England to Sydney, N. S. Wales. *Proc. Zool. Soc. Lond.* V, pp. 1–3. [Tunicata.]

1860. Gatherings of a Naturalist in Australia: . . . 8vo. London. [pp. 58–63 (luminosity of *Salpa* and *Pyrosoma*).]

Bergendal, *David.*

1890. Studien über nordische Turbellarien und Nemertinen. *Oefvers. Svenska Vet.-Akad. Förh.* XLVII, pp. 323–328. [p. 328 (*Phallusia mentula*).]

Berkenhout, *John.*

1769. Outlines of the Natural History of Great Britain and Ireland. 3 vols. 8°. London, 1769–72. [I, p. 210 (3 sps.).]

1789. Synopsis of the Natural History of Great Britain and Ireland. Ed. 2 [of the Outlines]. 2 vols. 8°. London. [I, p. 213.]

(*Ibid.* in third ed., 1795.)

Berlese, *Antonio.*

1904. Acari nuovi. *Redia,* II, pp. 10–32, pls. i, ii. [p. 22 (Parasitism).]

Berthelot, *Sabin.*

1858. Sur la transformation en sucre de divers principes immédiats contenus dans les tissus des Animaux invertébrés. *Compt. rend. Acad. Sci.* XLVII, pp. 227–230. [p. 229.]

Berthold, *Arnold Adolf.*

1845. Lehrbuch der Zoologie. 8°. Göttingen. [pp. 515–519.]

Bianchi, *Simon Giovanni.*

1739. Jani Planci Ariminensis de Conchis minus notis liber. 4°. Venitiis. [p. 45, pl. v, f. 5.]
(Janus Planeus a pseudonym.)

1760. De Conchis minus notis liber. Ed. alt. . . . aucta. 4°. Romæ. [pp. 45, 108, 109, 125, pl. v; Appx. pls. v, vii, viii, x.]

1763. Epistola de duplici Tethyi genere [*Ascidia*] et de Manu marinâ [*Gorgonia*]. *Atti Accad. Siena Fisiocr.* II, pp. 217–219.

1767. Epistola de incessu marinorum Echinorum ac de Rebus quibusdam aliis Marinis. De Bononiensi scientiarum et artium institutio atque Academia commentarii, V, 1. Bononice Opusc. varia, pp. 236–248, pl. ii. [p. 243, pl. ii, ff. 4–7 (*Mentula marina informis*).]

Bielz, *Eduard Albert.*

1865. Verzeichniss der Mollusken- und Conchilien-Sammlung. Ed. 3. 38 pp. 8°. Hermannstadt. [p. 38.]
(On p. 46 of ed. 4, 1869, 47 pp.)

Bigot de Morogues.

1755. Mémoire sur un Animal aquatique d'une forme singulière. *Mém. Math. Phys. Acad. Sci.* II, pp. iii, 145–148, pl. ii. [= *Boltenia.*]

Binney, *William Greene.*

1870 Mollusca of Massachusetts. *See* Agassiz, L. & A.

Bizet, *Édouard.*

1892. Catalogue des Mollusques observés à l'état vivant dans le département de la Somme. Pt. 2. *Mém. Soc. Linn. Nord France*, VIII, pp. 262–405. [pp. 264, 385–390 (22 sps.).]
1897. *Arch. Naturg.* LIX, II, 3, pp. 34–35. [List of sps.]

Bjerkan, *Paul.*

1905. Ascidien von dem norwegischen Fischerei-dampfer "Michael Sars" in den Jahren 1900–1904 gesammelt. *Bergens Mus. Aarbog*, 1905, 5, 30 pp., 3 pls.
1907. *Zool. Zentralbl.* XIV, pp. 181–182.
1908. *Arch. Naturg.* LXIX, II, 3, Tunicata, pp. 17, 20.

1908. Ascidien. (In) Report of the second Norwegian Arctic Expedition in the "Fram," 1898–1902, III, 14, 12 pp., 1 pl. 8°. Kristiania.

1908. Die Ascidien des nördlichen Norwegens. *Tromsö Mus. Aarsh.* XXV, pp. 49–118, 1pl.

Blainville, *Henri Marie Ducrotay de.*

1814. Mémoire sur la classification méthodique des Animaux Mollusques, et établissement d'une nouvelle considération pour y parvenir. *Bull. Soc. Philom. Paris,* 1814, pp. 175–180. [pp. 179–180.]

1822. De l'Organisation des Animaux, ou Principes d'Anatomie comparée. 8°. Paris. [pp. 207–208.]

1824. Mollusca. (In) Dict. Sci. nat. XXXII, pp. 1–392. 8°. Strasbourg & Paris. [pp. 45, 363–371.]

1825–27. Manuel de Malacologie et de Conchologie. 2 vols. 8°. Paris & Strasbourg. [I, Texte (1825), pp. 582–590; II, Planches (1827), pls. lxxxii, lxxxiii.]

1827. *Salpa.* (In) Dict. Sci. nat. XLVII, pp. 94–123. 8°. Strasbourg & Paris.

1837. Manuel d'Actinologie ou de Zoophytologie. 8°. Paris (dated 1834). [pp. 526, 683, pl. xcii, f. 5 (*Pulmonella*).]

Blake, *Charles Carter.*

1875. Zoology for Students. 8°. London. [pp. 276–277.]

Blasius, *Gerard.*

1681. G. Blasii . . . Anatome Animalium, . . . 4°. Amstelodam. [Cap. xxx, p. 304 (De *Salpa*).]

Bles, *Edward Jeremiah.*

1892. Notes on the Plankton observed at Plymouth during June, July, August, and September, 1892. *Jrn. Marine Biol. Assoc.* (N. S.) II, 4, pp. 340–343. [p. 341 (Appendicularia).]

Blumenbach, *Johann Friedrich.*

1780. Handbuch der Naturgesschichte. 2 Theile. 8°. Göttingen, 1779–80. [2, p. 416.]

(12th ed. 1830 [pp. 373-374].)

1803. Manual d'Histoire naturelle, traduit . . . par S. Artaud. 2 vols. 8°. Metz. [II, pp. 25, 26.]

1810. Abbildungen naturhistorischer Gegenstände. 8°. Göttingen. [No. 30, pl. xxxi (*Thalia lingulata*).]

1825. A Manual of the Elements of Natural History. Transl. by R. T. Gore. 8°. London. [pp. 246, 247.]

Bluntschli, *H.*

1904. Beobachtungen am Ovarialei der Monascidie *Cynthia microcosmus.* *Morphol. Jahrb.* XXXII, 3, pp. 391–450, pls. ix, x, 5 text-figs.

Boas, *Johan Erik Vesti.*

1890. Lehrbuch der Zoologie. 8°. Jena. [pp. 561–565, ff. 377, 378 (numbered 377).]

1896. Text Book of Zoology. Transl. by J. W. Kirkcaldy & E. C. Pollard. 8°. London. [pp. 537–540, ff. 425–427.]

Bochenek, *A.*

1905. Badania nad budowa Systemu nervowego centralnego mieczaków oslonic i szkarlupni (*Anodonta, Ciona, Synapta*). [Inquiries upon the central nervous system of the Invertebrata.] *Rozpr. Akad. Kraków,* XLV, pp. 262–277, 1 pl., 2 text-figs. (And) 1906. *Bull. Acad. Cracovie,* 1905, 2, pp. 205–220, pl. v, 2 text-figs. [pp. 217–218, pl. v, ff. 4, 5 (*Distaplia*).]

1908. *Arch. Naturg.* LXIX, II, 3, Tunicata, p. 11.

Bock, *M. von.*

1898. Zur Abwehr gegen Prof. F. von Wagner. *Biol. Centralbl.* XVIII, pp. 614–624. [p. 621.]

1900. Réplique au Prof. F. von Wagner. *Année biol.* IV, pp. 161–163. [p. 163.]

Boddaert, *Pieter.*

1768. Lyst der Plant-Dieren, . . . door . . . P. S. Pallas. 8°. Utrecht. [pp. 440–443, 653, pl. xi, ff. 2, 3.]

Boeke, *J.*

1902. Ueber die ersten Entwickelungsstadien der Chorda dorsalis. (In) P. Camper's Nederlandische Bijdragen tot de Anatomie. 3 vols. 8°. Haarlem & Jena, 1901–5. I, pp. 568–586, pl. xxiv, 7 text-figs. [pp. 569, 582, pl. xxiv, f. 8.]

Boettger, *Oskar.*

1905. Museumbericht. *See* Kinkelin, F., & O. Boettger.

Bogojablensky, *N. W.*

1894. [On the Budding of *Salpa*.] (In Russian.) *Tagebl. Ges. Nat. Moskau,* Zool. II, 1, 2, pp. 35–36.

Bohadsch, *Joannes Baptista.*

1761. J. B. Bohadsch . . . de quibusdam Animalibus Marinis eorumque protietatibus . . . liber . . . 4°. Dresdæ. [Caput iv (De *Hydra*), pp. 75–89, pl. vi, f. 1; cap. vii (De *Tethys*), pp. 128–135, pl. x, ff. 1–6.]

1776. Hrn. J. B. Bohadsch . . . Beschreibung einiger mindesbelannten Seethiere nnd ihren Eigenschaften. Transl. by N. G. Leske. 4°. Dresden. [pp. 67–75, 120–130, pl. vi, f. 1, pl. x, 6 figs.]

Bolten, *Joachim Friedrich.*

1770. J. F. Bolten . . . ad illustrem systematis naturæ authorem Carolum a Linné equitem auratum Epistola de novo quodam Zoophytorum genere. 4°. Hamburgi. 11 pp., 1 pl. [*Boltenia.*]

1770. J. F. Bolten . . . Nachrich von einer neuen Thier-pflanze. 4°. Hamburg. 12 pp., 1 pl. [*Boltenia.*]

1771. Beschreibung einer wanderbaren Thier-pflanze. Hamburg. (*Fide* Herdman.)

1771. J. F. Bolten . . . Epistola ad Linnæum de novo quodam Zoophytorum genere. 4°. Hamburgi. 11 pp., 1 pl. [*Boltenia.*]

1776. Beschreibung einiger minder bekannten Seethiere. Dresden. (*Fide* Herdman.)

1777. Vitoverige beschrijving en nauwkeurige Plantdier. Amsterdam. (*Fide* Herdman.)

1780 (?). Museum Boltenianum sive Catalogus cimeliorum ex tribus regnis naturæ. Pars prima. 8°. Hamburgi. [pp. 16, 18 (2 sps.).]

Bonanni, *Philippo.*

See Buonanni, Filipo.

Bonnevie, *Kristine.*

1895. Knospung von *Distaplia magnilarva.* *See* Hjort, J., & K. Bonnevie.

1896. Ascidiæ simplices og Ascidiæ compositæ. (Ascidiæ simplices and Ascidiæ compositæ.) (In) Den Norske Nordhavs-Expedition, 1876–78. XXIII. Zoologi. (The Norwegian North-Atlantic Expedition, 1876–78. Zoology.) Tunicata, 2. iv + 16 pp., pls. iii, iv. 4°. Christiania.

(Norwegian and English in parallel columns.)

1896. Om Knopskydningen hos *Distaplia magnilarva* og *Pyrosoma elegans.* (On Gemmation in *Distaplia magnilarva* and *Pyrosoma elegans.*) (In) Den Norske Nordhavs-Expedition, 1876–78. XXIII. Zoologi. (The Norwegian North-Atlantic Expedition, 1876–78. Zoology.) Tunicata, 4. iv + 15 pp., pls. vi–viii. 4°. Christiania.

(Norwegian and English in parallel columns.)

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 5–6.

Bonnier, *Jules, & Charles* **Pérez.**

1902. Sur un nouveau Pyrosome gigantesque. *Compt. rend. Acad. Sci.* CXXXIV, pp. 1238–1240.

1902. New giant Pyrosoma. *Jrn. R. Micr. Soc.* 1902, p. 426.
1903. *Zool. Jahresb.* 1902, 9, p. 5.

Bonnier, *J.*, & *C.* Pérez.

1903. Sur un mode nouveau de constitution de la chaîne chez une Salpe nouvelle du Golfe Persique (*Stephanosalpa polyzona*). *Compt. rend. Acad. Sci.* CXXXVI, pp. 621–622.

1903. New type of Salpa-chain. *Jrn. R. Micr. Soc.* 1903, p. 490.

Borgert, *Adolf Hermann Constant.*

1893. Ueber *Doliolum denticulatum* und eine neue dieser Art nahe verwandte Form aus dem Atlantischen Ocean. *Zeitschr. wiss. Zool.* LVI, 3, pp. 402–408, 1 fig.

1894. New *Doliolum*. *Jrn. R. Micr. Soc.* 1894, p. 51.

1894. Die Thaliacea der Plankton-Expedition. C. Vertheilung der Doliolen. (In) Ergebnisse der Plankton-Exped. der Humboldt-Stiftung. II, E. a. c. 68 pp., pls. v–viii, 2 text-figs. 4°. Kiel & Leipzig.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 12.

1897. *Zool. Centralbl.* IV, pp. 200–203.

1896. Die *Doliolum*-Ausbeute des 'Vettor-Pisani.' *Zool. Jahrb.*, Syst. IX, pp. 714–719.

1897. Distribution of *Doliolum*. *Jrn. R. Micr. Soc.* 1897, p. 25.

1901. Die nordischen Dolioliden. (In) K. Brandt's Nordisches Plankton, I, 3, pp. 1–4, ff. 1–4 (4 sps.). 8°. Kiel & Leipzig.

Borlase, *William.*

1758. The Natural History of Cornwall . . . fol. Oxford. [p. 254, pl. xxv, ff. 1–4 (*Alcyonium*).]

Borley, *John Oliver.*

1907. Marine Zoology. (In) Victoria History of the County of York, I, pp. 173–198. 8°. London. [p. 198 (10 sps.).]

Bory de St. Vincent, *Jean Baptiste George Marie.*

1827. Histoire naturelle des Vers. Tableaux. 3 vols. (In) Enclyclopédie Méthodique. 4°. Paris & Liège, 1791–1827. [I, p. 135.]

Bosc, *Louis Augustin Guillaume.*

1802. Histoire naturelle des Vers. 3 vols. 18°. Paris, An. x. (In) Histoire naturelle de Buffon, . . . par R. R. Castel. [I, pp. 98–108, pl. iv; II, pp. 168–181, pl. xx; III, pp. 126–133 *pars.*]

1803. Ascidie. (In) Nouv. Dict. Hist. nat. appl. Arts, II, pp. 306–307, pl. A, xiv, ff. 3, 4. 8°. Paris.

1803. Biphore. (In) Nouv. Dict. Hist. nat. appl. Arts, III, pp. 167–170, pl. A, xxviii, ff. 3, 4. 8°. Paris.

Bosc, *L. A. G.*

1827. Histoire naturelle des Vers. Ed. 2. 3 vols. 18°. Paris. [I, pp. 113–130, pl. iv; II, pp. 200–215, pl. xx; III, pp. 159, 160.]

(Reprinted 1830.)

Bostock, *John.*

1855–57. Natural History of Pliny. *See* Plinius, C.

Bouin, *P.*

1904. Traité d'Histologie. *See* Prenant, A., P. Bouin, & L. Maillard.

Bourne, *Gilbert C.*

1890. Report of a Trawling Cruise in H.M.S. "Research" off the south-west coast of Ireland. *Jrn. Marine Biol. Assoc.* (n. s.) I, pp. 306–322. [pp. 312, 320.]

1890. Report on the Surface Collections made by Mr. W. T. Grenfell in the North Sea and west of Scotland. *Jrn. Marine Biol. Assoc.* (n. s.) I, pp. 376–380. [p. 378 (*Appendicularia*).]

1903. *Oligotrema psammites*; a new Ascidian belonging to the family Molgulidæ. *Qrt. Jrn. Micr. Sci.* (n. s.) XLVII (1904), pp. 233–272, pls. xix–xxiii, 3 text-figs.

1907. *Arch. Naturg.* LXVII, ii, 3, pp. 589, 593.

Bouvier, *Eugène L.*

1907. Quelques impressions d'un Naturaliste au cours d'une campagne scientifique de S. A. S. le Prince de Monaco. *Bull. Mus. océanogr. Monaco,* 93, 103 pp., 69 figs. [pp. 28–29, 33, f. 18 (*Pyrosoma gigantea*).]

Boveri, *Theodor.*

1890. Zellen-Studien. *Jena. Zeitschr. Naturw.* XXIV, pp. 314–401, pls. xi–xiii. [pp. 336–339, pl. xii, ff. 24–32.]

Brady, *George Stewardson.*

1865. Deep Sea Dredging on the Coasts of Northumberland and Durham. *See* Alder, J.

Braem, *Fritz.*

1895. Was ist ein Keimblatt? *Biol. Centralbl.* XV, pp. 427–443, 466–476, 491–506, 3 figs. [pp. 429, 503–504.]

Brandes, *Gustav.*

1898. Giebet es im Thierreich C O assimilirenden Gewebe? *Leopoldina,* XXXIV, 6, pp. 102–106. [pp. 104–105.]

Brandt, *Karl.*

1896. Das Vordringen mariner Thiere in den Kaiser-Wilhelm-Canal. *Zool. Jahrb.*, Syst. IX (1897), 3, pp. 387–408, 2 maps. [p. 400 (*Ascidia* and *Cynthia*).]

1896. Ueber die Schliessnetzfänge der Plankton-Expedition. *Verh. Ges. deutsch. Naturf.* LXVII, ii, 1, pp. 107–112. [pp. 110, 111.]

1901. Nordisches Plankton. *See* Apstein, C., & Borgert, A. H. C.

Brass, *Arnold.*

1893. Atlas zur allgemeinen Zoologie und vergleichenden Anatomie. 4°. Leipzig. [pp. 114–117, pl. xxiv.]

Braun, *Maximilian.*

1887–91. Bericht über die wissenchaftlichen Leistungen in die Naturgeschichte der Ascidien. *Arch. Naturg.* II, 3. 1882–85, LI, pp. 117–173 (1887). 1886, LII, pp. 219–230 (1888). 1887, LIV, pp. 1–9 (1891).

1895. Ueber einige Besonderheiten thierischer Parasiten. *Schr. Ges. Königsb.* XXXV, Bericht, pp. 11–12. [p. 11.]

Breemen, *P. J. van.*

1905. Plankton van Noord- en Zuiderzee. *Tijdschr. Nederl. Dierk. Ver.* (2) IX, pp. 145–324, pls. vi, vii, 18 text-figs.

Broderip, *William John, & G. B.* **Sowerby.**

1829. Observations on new or interesting Mollusca, contained, for the most part, in the Museum of the Zoological Society. *Zool. Jrn.* V, pp. 46–51, pl. iii. [pp. 46–48, pl. iii, ff. 4–6 (*Chelysoma MacLeayanum*).]

1831. Ueber neue oder wichtige Weichthiere. *Isis*, 1831, cols. 105–106.

Brongniart, *Charles J. E.*

1892. [La récolte des Arthropodes.] *Rev. scient.* LI, pp. 742–754. [p. 751 (*Salpa* and *Pyrosoma*).]

Bronn, *Heinrich Georg.*

1861. Die Klassen und Ordnungen des Thier-Reichs. III, Abth. 1. Weichthiere. 8°. Leipzig & Heidelberg. [pp. 103–223, pls. ix–xviii, text-ff. 2–7.]

Brooks, *William Keith.*

1876. A remarkable Life-history and its meaning. *Amer. Naturalist*, X, pp. 641–656, ff. 43–59 (*Salpa*).

1877. *Arch. Naturg.* XLIII, II, p. 220.

Brooks, *W. K.*

1876. Embryology of *Salpa*. *Proc. Boston Soc. Nat. Hist.* XVIII (1877), pp. 193–199, pl. i. (And) *Monthly Micr. Jrn.* XVI, pp. 9–14, pl. cxliv.

1876. Ueber die Embryologie von *Salpa*. (Transl.) *Arch. Naturg.* XLII, i, pp. 347–354.

1876. On the Development of *Salpa*. *Bull. Mus. Comp. Zool.* III, pp. 291–348, 34 figs.

1878. *Zool. Record*, XIII, Mollusca, p. 65.

1876. The Affinity of the Mollusca and Molluscoida. *Proc. Boston Soc. Nat. Hist.* XVIII (1877), pp. 225–236. [pp. 228–230, 235.] (And) *Monthly Micr. Jrn.* XVI, pp. 135–144. [pp. 138–139, 144.]

1882. Chamisso and the Discovery of Alternation of Generations. *Zool. Anzeig.* V, pp. 212–215, 2 text-figs.

1882. The origin of the Eggs in *Salpa*. *Stud. Johns Hopkins Univ.* II, 2, pp. 300–313, 1 pl.

1882. Origine des œufs dans le Salpe. *Arch. Zool. expér.* X, p. lxii.

1883. *Zool. Jahresb.* 1882, III, p. 12.

1884. Is *Salpa* an example of Alternation of Generations? *Nature*, XXX, pp. 367–370, 5 figs.

1886. The Anatomy and Development of the Salpa-Chain. *Stud. Johns Hopkins Univ.* III, 8, pp. 451–475, pls. xxviii, xxix, 15 text-figs.

1887. *Zool. Record*, XXIII, Tunicata, p. 4.

1888. *Zool. Jahresb.* 1886, Tunicata, p. 8.

1891. *Arch. Naturg.* LIV, II, 3, p. 5.

1890. On the relationship between *Salpa* and *Pyrosoma*. *Johns. Hopkins Univ. Circ.* IX, p. 53.

1893. *Salpa* in its relation to the Evolution of Life. *Stud. Johns Hopkins Univ.* V, 3, pp. i–iv, 129–211.

1893. *Salpa* in relation to the Evolution of Life. *Jrn. R. Micr. Soc.* 1893, pp. 731–732.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 8–9, 29–34.

1897. *Arch. Naturg.* LIX, II, 3, pp. 21–24.

1893. The Genus *Salpa*. With a supplementary paper by Maynard M. Metcalf. *Mem. Johns Hopkins Univ.* II. /viii + 396 pp., 57 pls., 28 text-figs. 4°. Baltimore.

1895. *Zool. Centralbl.* I, pp. 900–908.

1893. The Nutrition of the *Salpa* embryo. *Johns Hopkins Univ. Circ.* XII, pp. 97–98. (And) *Ann. Nat. Hist.* (6) XII, pp. 369–374.

1894. Nutrition of embryo of *Salpa*. *Jrn. R. Micr. Soc.* 1894, p. 467.

Brooks, *W. K.*

1893. The origin of the organs of *Salpa*. *Johns Hopkins Univ. Circ.* XII, pp. 93–97. (And) *Ann. Nat. Hist.* (6) XII, pp. 123–138.

1894. Origin of organs of *Salpa*. *Jrn. R. Micr. Soc.* 1894, pp. 466–467.

1906. *Dipleurosoma*, a new genus of Pyrosoma. *Johns Hopkins Univ. Circ.* XXVI, 5, pp. 98–99.

1906. The affinities of the pelagic Tunicates. No. 1. On a new Pyrosoma (*Dipleurosoma elliptica*). *Mem. National Acad. Sci.* X, pp. 149–156, 1 pl.

1908. The Pelagic Tunicata of the Gulf Stream. *Publ. Carnegie Inst.* 102, pp. 73–94, 8 pls., 3 text-figs.

1909. Pelagic Tunicates of Gulf Stream. *Jrn. R. Micr. Soc.* 1909, p. 566.

1909. *Zool. Jahresb.* 1908, Tunicata, pp. 7–8.

Brooks, *W. K., & D. G.* **Johnson.**

1907. The homologies of the Muscles of the subgenus *Cyclosalpa*. *Johns Hopkins Univ. Circ.* XXVII, 3, pp. 173–174, pl. i.

1908. Homologies of the Muscles of *Cyclosalpa*. *Jrn. R. Micr. Soc.* 1908, pp. 34–35.

Brooks, *W. K., & George* **Lefevre.**

1896. Budding in *Perophora*. *Johns Hopkins Univ. Circ.* XV, pp. 79–81. (And) *Ann. Nat. Hist.* (6) XVIII, pp. 136–144.

Brown, *Thomas.*

1883. The Zoologist's Text-book, . . . 2 vols. 12°. Glasgow. [I, pp. 550–551.]

1845. The Conchologist's Text-book, . . . Ed. 6. By W. MacGillivray. 12°. Edinburgh. [pp. 184, 204–206, 207, pl. xx, f. 7 (*Ascidia intestinalis*).]

Browne, *Edward T.*

1896. On the changes in the Pelagic Fauna of Plymouth during September, 1893 and 1895. *Jrn. Marine. Biol. Assoc.* (N. s.) IV, 2, pp. 168–173. [pp. 169, 171, 172 (*Thalia* and *Doliolum*).]

1904. On the Marine Fauna of the Isles of Scilly. Part I. The Pelagic Fauna. *Jrn. Roy. Inst. Cornwall*, XVI, 1, pp. 120–127. [p. 123 (*Oikopleura*).]

1905. Notes on the Pelagic Fauna of the Firth of Clyde (1901–1902). *Proc. Roy. Soc. Edinb.* XXV (1906), 2, pp. 779–791. [pp. 789–791 (2 sps.).]

Browne, *Patrick.*

1756. The Civil and Natural History of Jamaica, . . . fol. London. [pp. 383, 384, pl. xliii, ff. 3, 4 (*Fasciola* 3, 4, and 5; *Thalia* 1, 2, and 3).]

(Second ed. in 1789.)

Bruchlos, *Friedrich Hans.*

1910. Beiträge zur Stoloentwickelung der Salpen. Diss. Leipzig. 43 pp. 8°. Leipzig.

Bruguière, *Jean Guillaume.*

1789. Histoire naturelle des Vers. 3 vols., 1789–1832. (In) Encyclopédie Méthodique. 4°. Paris & Liège. [I, pp. 23–24, 26, 141–157, 178–183, 184–188.]

1791. Vers Coquilles, Mollusques, et Polypiers. (In) Tableaux encyclopédique et méthodique . . . 3 vols. 4°. Paris & Liège, 1791–1827. [I, pls. lxii–lxvi.]

Buchanan-Wollaston, *H. J.*

1907. Preliminary Report on the Simple Ascidians of the Larne District. *Rep. Fisheries Ireland,* 1906, II, Appx. 3, pp. 121–130 (21 sps.).

1907. Tunicata. (In) Contributions to the Natural History of Lambay, County Dublin. *Irish Naturalist,* XVI, pp. 1–112. [p. 33 (7 sps.).]

1908. Tunicata. (In) Handbook to the City of Dublin and the surrounding district. 8°. Dublin. [p. 139.]

Buckholz, *Reinhold Wilhelm.*

1869. Beiträge zur Kenntniss der innerhalb der Ascidien lebenden parasitischen Crustaceen des Mittelmeeres. *Zeitschr. wiss. Zool.* XIX, 1, pp. 99–155, pls. v–xi.

Buen, *Odón de.*

1905. La region Méditerranéenne des Baléares. *Bull. Soc. Zool. France,* XXX, pp. 98–106. [pp. 102, 104.]

Buerger, *Otto.*

1895. Die Nemertinen des Golfes von Neapel und der angrenzenden Meeres-Abschnitte. (In) Fauna und Flora des Golfes von Neapel. Monogr. 22. 4°. Berlin. [pp. 729–730 (Parasitism).]

Buetschli, *Otto.*

1892. Einige Bemerkungen über die Augen der Salpen. *Zool. Anzeig.* XV, pp. 349–353, 5 figs.

1893. *Zool. Jahresb.* 1892, Tunicata, pp. 6-7.

Buetschli, *O.*

1910. Vorlesungen über vergleichende Anatomie. 3 Lief. 8°. Leipzig. (In progress.) [I, p. 110.]

Buffon, *Georges Louis Leclerc de.*

1802. Histoire Naturelle. *See* Bosc, L. A. G.

1804. Histoire Naturelle des Mollusques. *See* Montfort, P. D. de.

Bullen, *George Ebsworth.*

1908. Plankton studies in relation to the Western Mackerel Fishery. *Jrn. Marine Biol. Assoc.* (n. s.) VIII, pp. 269–302, pls. xviii–xxiii, 2 text-figs. [pp. 273, 299–302 (*Oikopleura dioica*).]

Bumpus, *Herman Carey.*

1898. Breeding of Animals at Woods Holl during the months of June, July, and August. *Science,* (n. s.) VIII, pp. 850–858. [pp. 852–853.]

Buonanni, *Filipo.*

1709. Musæum Kircherianum . . . in Collegio Romano Societatis Jesu, . . . fol. Romæ. [pp. 266, 267; Icon. Testac. classis prima, ff. 14, 15.]

1773. Rerum Naturalium Historia, . . . in Museo Kircheriano, ed. . . . P. P. Bonnannio, . . . Pars prima. [pp. 178–179, pl. xliv, f. 18.]

Burdach, *Carl Friedrich.*

1837–38. Physiologie als Erfahrungswissenchaft (1837). Traité de Physiologie (1838). *See* Rathke, H.

Burmeister, *Hermann.*

1837. Handbuch der Naturgeschichte. 8°. Berlin. [pp. 475–477.]

1856. Zoonomische Briefe. Allgemeine Darstellung der thierischen Organisation. 2 Theil. 8°. Leipzig. [II, pp. 68–79.]

Busch, *Wilhelm.*

1851. Beobachtungen über Anatomie und Entwickelung einiger wirbellosen Seethiere. 4to. Berlin. [pp. 118–120, pl. xvi, ff. 9–11 (*Eurycercus pellucidus*).]

Byerley, *Isaac.*

1854. The Fauna of Liverpool. Appendix to *Proc. Lit. Phil. Soc. Liverp.* VIII, 125 pp. [p. 34.]

Byxbee, *Edith S.*

1905. Pelagic Tunicata. *See* Ritter, W. E., & E. S. Byxbee.

C.

Cæsalpinus, *Andreas.*

1583. De Plantis libri XVI. Andreæ Cæsalpini, . . . 4°. Florentiæ. [Lib. XVI, cap. 29, p. 608 (*Bursa marina*).]

Calman, *William Thomas.*

1894. On *Julinia*, a new genus of compound Ascidians from the Antarctic Ocean. *Qrt. Jrn. Micr. Sci.* (2) XXXVII, pp. 1–17, pls. i–iii.

1896. *Zool. Centralbl.* III, pp. 909–910.
1899. *Arch. Naturg.* LX, II, 3, p. 45.

1903–6. Tunicata. *Zool. Record*, 1902, XXXIX (1903), 8 pp.; 1903, XL (1904), 7 pp.; 1904, XLI (1905), 7 pp.; 1905, XLII (1906), 6 pp.

Calvet, *Louis.*

1905. Coup d'œil sur la Faune et la Flore de la région marine de Cette. (In) La Station zoologique de Cette. *Trav. Inst. zool. Montpell.* (2) 15, pp. 53–74. [p. 67 (21 sps.).]

Camerano, *Lorenzo, & Marie* **Lessona.**

1885. Compendio della Fauna Italiano. 8°. Torino. [pp. 126–127.]

Camper, *Petrus.*

1902. Bijdrgen tot de Anatomie. *See* Boeke, J.

Canestrini, *Giovanni.*

1870. Compendio di Zoologia ed Anatomia comparata. 2 vols. 8°. Milano, 1869–70. [II, pp. 90–100, ff. 24, 25.]

Cann, *Eugène.*

1891. Les Copépodes marins du Boulonnais. V. Les semi-parasites. *Bull. sci. France Belg.* XXIII, 2, pp. 467–487. [pp. 467–475, 478, 479.]

Carleer, *Léon Henri Marie.*

1861. Examen des principales Classifications adoptées par les Zoologistes. 8°. Bruxelles. [pp. 29–182 *passim*; 248–252.]

Carlson, *Anton Julius.*

1903. The response of the Hearts of certain Molluscs, Decapods, and Tunicates to electrical stimulation. *Science*, (N. S.) XVII, pp. 548–550. [p. 549 (*Clavelina*).]

1905. La réacton du cœur de certains Mollusques, Décapodes, et Tuniciers, aux excitations électriques. *Année biol.* VIII, p. 233.

1905. Comparative Physiology of the Invertebrate Heart. I. The innervation of the heart. *Biol. Bull. Woods Holl*, VIII, pp. 123–159, 231–233, pls. iv–viii. [pp. 155–156, 233.]

Carlson, *A. J.*

1906. Comparative Physiology of the Invertebrate Heart. V. The heart rhythm under normal and experimental conditions. *Amer. Jrn. Physiol.* XVI, pp. 47–66. [pp. 56–57 *Clavelina* and *Ciona*).]

1906. Comparative Physiology of the Invertebrate Heart. VI. The excitability of the heart during the different phases of the heart beat. *Amer. Jrn. Physiol.* XVI, pp. 67–84, 10 figs. [pp. 71–72, 73 (*Clavelina, Ciona,* and *Salpa*).]

1906. Comparative Physiology of the Invertebrate Heart. VII. The relation between the intensity of the stimulus and the magnitude of the contraction. *Amer. Jrn. Physiol.* XVI, pp. 85–99, 5 figs. [p. 94 (*Ciona*).]

1907. Comparative Physiology of the Invertebrate Heart. IX. The nature of the inhibition of direct stimulation with the tetanizing current. *Zeitschr. allgem. Physiol.* VI, pp. 287–314, pls. xii–xiv. [pp. 298–301.]

Carpenter, *William Benjamin.*

1845. [Systematic Position of the Tunicata.] *Rep. Brit. Assoc.* 1844, Sect., p. 66.

1845. *Institut,* XIII, p. 7.

1845. Zoology: a systematic account of . . . the Animal Kingdom. 2 vols. 8°. London, 1844–45. [II, pp. 423–434, ff. 601–603.]

1846. A Manual of Physiology, including physiological Anatomy . . . 8°. London. [pp. 493–494.]

1848. Animal Physiology. 8°. London. [pp. 105–106, f. 68; 233, 316, 364, 435–436, f. 170.]

1858. Zoology; being a systematic account of . . . the Animal Kingdom; . . . [Ed. 2.] by W. S. Dallas. 2 vols. 8°. London, 1857–58. [II, pp. 424–435, ff. 701–703.]

1859. Animal Physiology. [Ed. 2.] 8°. London. [pp. 121–122, f. 63; 269, 329, 351–352, f. 181; 556–557, ff. 299, 300; 576–577.]

(Reprinted in 1877.)

1875. The Microscope and its revelations. Ed. 5. 8°. London. [pp. 623–631.]

1891. The Microscope and its revelations. Ed. 7 . . . enlarged and revised by W. H. Dallinger. 8°. London. [pp. 835–842.]

Carter, *Henry John.*

1885. Descriptions of Sponges from the neighbourhood of Port Philip Heads, South Australia, continued. *Ann. Nat. Hist.* (5) XV, pp. 196–222. [pp. 197–200 (*Boltenia* and *Synascidia*).]

Carus, *Carl Gustav.*

1816. Beiträge zur Anatomie und Physiologie der Seescheiden (Ascidiæ). *Deutsch. Archiv Physiol.* II, pp. 569–590, pls. i, ii.

1818. Lehrbuch der Zootomie. 8°. Atlas, 4°. Leipzig. [pp. 42–43, 75, 329, 427, 458, 579, 619, 671–672; Atlas, pl. ii, ff. 1–4.]

1821. Beitrag zur Kenntniss des inneren Baues und der Entwickelungsgeschichte der Ascidien. *Nova Acta Acad. Leop.-Car.* X, 2, pp. 423–436, pls. xxxvi, xxxvii.

1824. Pour servir a la connaissance de la structure intérieure et du développement des Ascidies. *Bull. Sci. nat. géol.* I, pp. 281–282.

1827. An Introduction to the Comparative Anatomy of Animals; . . . transl. by R. T. Gore. 2 vols. 8°. Atlas, 4°. London. [I, p. 54, 90–91; II, pp. 6, 115, 145–147, 211, 267–268, 362; Atlas, pl. ii, ff. 1–7.]

1834. Lehrbuch der vergleichenden Zootomie. (Ed. 2 of Lehrbuch der Zootomie.) 2 vols. 8°. Atlas, 4°. Leipzig & Wien. [I, pp. 35, 325; II, pp. 427–428, 674–675, 726–727; Atlas, p. v, pls. ii, ff. 1–7.]

1835. Traité élémentaire d'Anatomie comparée. Traduit par A. J. L. Jourdan. 3 vols. 8°. Atlas, 4°. Paris. [I, pp. 41–42, 115, 403; II, pp. 10–11, 119–121, 156–157, 238, 250–251, 305–306, 367–368, 447–449; III, pp. 41–42, 204; Atlas, pls. ii, xxi, xxiv.]

Carus, *Julius Victor.*

1851. On the Zoology of the Scilly Isles. *Proc. Ashmol. Soc.* II, pp. 264–271. [pp. 266–269 (12 sps.).]

1853. System der thierischen Morphologie . . . 8°. Leipzig. [pp. 345–349, 445–448, ff. 60–64.]

1857. Icones Zootomicæ. *See* Huxley, T. H.

1890. Prodromus Faunæ Mediterraneæ, . . . 2 vols. 8°. Stuttgart, 1884–93. [II, 2, pp. 463-498 (170 sps.).]

1890. Ueber leuchtende Thiere. *Sitzber. nat. Ges. Leipzig,* XV–XVI, pp. 82–86. [p. 85.]

Carus, *J. V., & G. E. A.* **Gerstaecker.**

1874 (c.). Handbuch der Zoologie. 2 vols. 8°. Leipzig, 1868–75. [I, pp. 761–774.]

Cash, *William.*

1901. In Memoriam: W. P. Sladen. *Proc. Yorks. Geol. Soc.* XIV, 2, pp. 261–274. [p. 262.]

Castel, *René Louis Richard.*

1802. Histoire Naturelle. *See* Bosc, L. A. G.

Castle, *William Ernest.*

1894. On the cell-lineage of the Ascidian Egg. A preliminary notice. *Proc. Amer. Acad. Sci. Arts,* XXX, pp. 200–216, pls. i, ii. [*Ciona* and *Clavelina.*]

1895. *Zool. Centralbl.* II, pp. 253–254.
1895. *Zool. Jahresb.* 1894, Tunicata, p. 4.
1896. Cell-lineage in the segmentation of the Ascidian Ovum. *Jrn. R. Micr. Soc.* 1896, pp. 299–300.
1899. *Arch. Naturg.* LX, II, 3, p. 19.

1896. The early Embryology of *Ciona intestinalis,* Fleming (L.) *Bull. Mus. Comp. Zool.* XXVII, 7, pp. 203–280, pls. i–xiii.

1897. *Zool. Record,* XXXIII, Tunicata, pp. 4–5.
1898. Premiers stades du développement de *Ciona. Année biol.* II, pp. 99–100.
1898. *Zool. Centralbl.* V, pp. 168–172.
1898. *Zool. Jahresb.* 1897, Tunicata, p. 2.

Caullery, *Maurice.*

1894. Sur les Ascidies composées du genre *Distaplia. Compt. rend. Acad. Sci.* CXVIII, pp. 598–600.

1894. Degeneration of *Distaplia. Jrn. R. Micr. Soc.* 1894, p. 442.
1899. *Arch. Naturg.* LX, II, 3, pp. 25–26.

1894. Sur la dégénérescence des produits génitaux chez les Polyclinidés. *Compt. rend. Acad. Sci.* CXVIII, pp. 666–668.

1894. Genital products in Polyclinidæ. *Jrn. R. Micr. Soc.* 1894, p. 330.
1899. *Arch. Naturg.* LX, II, 3, p. 31.

1894. Sur le bourgeonnement des Diplosomidæ et des Didemnidæ. *Compt. rend. Acad. Sci.* CXIX, pp. 437–439.

1894. Budding of Diplosomidæ and Didemnidæ. *Jrn. R. Micr. Soc.* 1894, p. 671.
1895. *Zool. Centralbl.* I, p. 908.
1895. *Zool. Jahresb.* 1894, Tunicata, pp. 89. [Above three memoirs.]
1899. *Arch. Naturg.* LX, II, 3, p. 14.

1895. Contributions à l'étude des Ascidies composées. *Bull. sci. France Belg.* XXVII, pp. 1–158, pls. i–vii.

1896. *Zool. Centralbl.* III, pp. 910–915.
1899. *Arch. Naturg.* LX, II, 3, pp. 31–32.

1895. Sur l'interprétation morphologique de la larve double dans les Ascidies composées du genre *Diplosoma. Compt. rend. Acad. Sci.* CXXI, pp. 776–780, 3 figs.

1896. Double larva of *Diplosoma. Jrn. R. Micr. Soc.* 1896, p. 179.
1899. *Arch. Naturg.* LX, II, 3, p. 11.

CAULLERY, *M.*

1895. Sur l'Anatomie et la position systématique des Ascidies composées du genre *Sigillina* Sav. *Compt. rend. Acad. Sci.* CXXI, pp. 832–834.

1896. The genus *Sigillina*. *Jrn. R. Micr. Soc.* 1896, p. 179.
1896. *Zool. Centralbl.* III, pp. 575–576.
1896. *Zool. Jahresb.* 1895, Tunicata, pp. 5–8. [Above three memoirs.]
1899. *Arch. Naturg.* LX, II, 3, p. 25.

1896. Ascidies Composée. (In) Résultats scientifiques de la Campagne du "Caudon" dans le Golfe de Gascoyne, Aout-Septembre 1895, par R. Kœhler. *Ann. Univ. Lyon,* XXVI, 2, pp. 359–360. [*Diazona violacea.*]

1896. L'hivernage de la *Clavellina lepadiformis*. *See* GIARD, A., & M. CAULLERY.

1896. Sur les Synascidies du genre *Colella,* et le polymorphisme de leurs bourgeons. *Compt. rend. Acad. Sci.* CXXII, pp. 1066–1069.

1896. On the Synascidia of the genus *Colella* and the polymorphism of their buds. (Transl.) *Ann. Nat. Hist.* (6) XVIII, pp. 133–136.

1897. *Zool. Centralbl.* IV, pp. 203–204.
1897. *Zool. Jahresb.* 1896, Tunicata, p. 9.

1897. Sur la Morphologie de la larve composée d'une Synascidie (*Diplosomoïdes Lacazii,* Giard). *Compt. rend. Acad. Sci.* CXXV, pp. 54–57.

1897. Compound Larva of a Synascidian. *Jrn. R. Micr. Soc.,* 1897, p. 367.
1897. *Zool. Jahresb.* 1897, Tunicata, p. 3.
1898. *Zool. Centralbl.* V, pp. 424–425.

1900. Sur les Clavelines nouvelles (*Synclavella,* n.g.) constituant des cormus d'Ascidies composées. *Compt. rend. Acad. Sci.* CXXX, pp. 1418–1420, 1 fig.

1900. New composite Clavelinid. *Jrn. R. Micr. Soc.* 1900, p. 453.

1902. Sur quelques particularités du bourgeonnement chez les Ascidies composées du group des Distomidæ. *Compt. rend. Assoc. Anat.* IV, pp. 21–24, 1 fig.

1903. *Zool. Jahresb.* 1902, Tunicata, p. 5.

1908. Sur une forme de Tuniciers provenant de l'expédition de l'Astrolabe (1829) et le genre *Chondrostachys* Macdonald. *Bull. Mus. Hist. nat.* XIV, pp. 229–232.

Caullery, *M.*

1909. Recherches sur les Synascidies du genre *Colella* et considérations sur la famille des Distomidæ. *Bull. sci. France Belg.* XLII, pp. 1–59, pl. i, 16 text-figs.

1910. *Zool. Jahresb.* 1909, Tunicata, pp. 4–5.)

Cavanna, *Guelfo.*

1880. Elementi per una Bibliografia Italiani intorno all' Ideofauna agli allevamenti degli Animale acquatici e alla Pesca. 8°. Firenze. [pp. 57–58, 153.]

1884. Invertebrati. Zoologia. By E. H. Giglioli and G. Cavanna. 3 parts. 12°. Milano, 1884–86. Pt. 1, by Cavanna. [pp. 194–200, f. 45 (*Phallusia*).]

Cavolini, *Filippo.*

1785. Memorie per servire alla storia de' Polipi marini . . . 3 pts. 4°. Napoli. [(?) 3, p. 261 (*Palla marina*).]

1787. Memorie sulla Generazione dei Pesci e dei Granchi. 4°. Napoli. (*Fide* Herdman.)

Chabræus, *Dominicus.*

1666. Stirpium Icones et Sciagraphia ex Museo Dominici Chabræi. fol. Genevæ. [p. 570 (*Bursa marina*).]

(A second ed. in 1677 [*ibid.*].)

Chabry, *L.*

1884. La segmentation des Ascidies simples. *Jrn. Anat. Physiol.* XX, pp. 387–392.

1884. Segmentation of Simple Ascidians. *Jrn. R. Micr. Soc.* 1884, p. 875.

1886. Sur l'inversion des Vicères. *Compt. rend. Soc. Biol.* (8) III, p. 136. [Ascidies.]

1887. Contribution à l'Embryologie normale et tératologique des Ascidies simples. *Jrn. Anat. Physiol.* (Robin) XXIII, pp. 167–319, pls. xviii–xxii, 36 text-figs.

1887. Normal and teratological Embryology of Ascidians. *Jrn. R. Micr. Soc.* 1887, pp. 739–740.

1888. *Zool. Jahresb.* 1887, Tunicata, p. 2.

1891. *Arch. Naturg.* LIV, II, 3, p. 4.

1887. Processus tératologiques pendant la période de segmentation de l'œuf. *Compt. rend. Soc. Biol.* (8) IV, pp. 224–225. [*Ascidia aspersa.*]

Chadwick, *Herbert Clifton.*

1904. Curator's Report to the Committee. (In) 17th Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XVIII, pp. 63–70. [p. 66.]

CHADWICK, *H. C.*

1907. Curator's Report to the Committee. (In) 20th Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XXI, pp. 28–38, ff. ii–vii. [p. 35.]

Chamisso, *Adalbert von.*

1819. De Animalibus quibusdam e classe Vermium Linnæana in circumnavigatione Terræ . . . 1815–1818. Fasc. 1. De *Salpa.* iv + 24 pp., 1 pl. [pp. 3, 16–18, pl., f. 1.]

1820. *Isis.* 1820, Litt. Anz., cols. 273–276, pl. ii (*infra*).

Chamisso, *A. von, & Carl Wilhelm* **Eysenhardt.**

1821. De Animalibus quibusdam e classe Vermium . . . Fasc. 2. *Nova Acta Acad. Leop.-Car.* X, 2, pp. 543–574, pl. xxxi. [pp. 562–563, pl. xxxi, f. 4 (*Appendicularia flagellum*).]

Chandelon, *Théodore.*

1875. Recherches sur une annexe du tube digestif des Tuniciers. *Bull. Acad. Sci. Belg.* (2) XXXIX, pp. 911–949, pls. i, ii. Rapport, pp. 784–786.

1875. *Jrn. Zoologie,* IV, pp. 264–265.

Charcot, *Jean.*

1906. Le "Français" au Pôle Sud. *See* TURQUET, J.

Chatton, *Edouard.*

1909. Une Ascidie fixée dans la peau d'*Holothuria tubulosa* Gm. *Bull. Soc. zool. France,* XXXIV, pp. 25–27, 1 fig.

1909. Ascidian fixed in skin of Holothurian. *Jrn. R. Micr. Soc.* 1909, p. 345.

Chenu, *Jean Charles.*

1847. Leçons élémentaires d'Histoire Naturelle . . . Conchyliologie. 4°. Paris. [pp. 357–358, ff. 1230–1239.]

Chenu, *J. C., & Eugène* **Desmarest.**

1858. Encyclopedie d'Histoire Naturelle . . . Crustacés—Mollusques—Zoophytes. 4°. Paris. [pp. 241–248, ff. 262–265.]

(Re-issued in 1877.)

Cherler, *Johann Heinrich.*

1651. Historia plantarum. *See* BAUHAN, J., & J. H. CHERLER.

Chesnaye-Desbois, *Françoise Alexandre Aubert de la.*

1754. Système naturel du Règne Animal . . . 2 vols. 8°. Paris. [II, p. 262 (*Tethys*).]

Chiaje, *Stefano Delle.*

See DELLE CHIAJE, S.

Cholodkovski, *N.*

1892. [The Mesoderm and Metameron Theory.] (In Russian.) *Rev. Sci. nat. St. Pétersb.* 1892, pp. 204–209. [*passim*.]

Chun, *Carl.*

1888. Die pelagische Thierwelt in grösseren Meerestiefen und ihre Beziehungen zu der Oberflächenfauna. *Bibl. Zoologica*, I, 1, 66 pp., 5 pls. [pp. 37–42, pl. v, ff. 1–7 (*Appendicularia*).]

1888. *Naturforscher*, XXI, pp. 153–155. [p. 154.]

1889. Bericht über eine nach den Canarischen Inseln im Winter 1887–88 ausgeführte Reise. II. Abth. *Sitzber. Akad. Wiss. Berlin*, 1889, pp. 519–553, pl. iii. [pp. 523, 547, 548.]

1890. Die pelagische Thierwelt in grösseren Meerestiefen. *Verh. Ges. deutsch. Naturf.* LXIII, pp. 69–85. [pp. 79, 82, 83.]

1900. Aus den Tiefen des Weltmeers. Schilderungen von der deutschen Tiefsee-Expedition. 4°. Jena. [pp. 136, 149, 210, 284, 289, 518–519.]

1905. Die vertikale Verbreitung des marinen Planktons. *Compt. rend. 6th Congr. intern. Zool.* 1904, Berne, pp. 113–128. [pp. 116, 122, 126.]

Cialona, *Marco.*

1901. Osservazioni pratiche sull' epoca della comparsa e della variabilità quantitiva delle specie animali più comuni nel Plankton del porto di Messina. *Ric. Labor. anat. Roma*, VIII, pp. 149–155. [pp. 154–155.]

Claparède, *Jean Louis René Antoine Edouard.*

1860. Beiträge zur Fauna der scottischen Küste. *Zeitschr. Wiss. Zool.* X, 3, pp. 401–408, pl. xxxii. [pp. 405–407 (*Appendicularia*).]

Clark, *James.*

1906. Marine Zoology. (In) Victoria History of the County of Cornwall, I, pp. 113–159. 8°. London. [pp. 157–159 (72 sps.).]

Claus, *Carl Friedrich Wilhelm.*

1872. Grundzüge der Zoologie. Ed. 2. 3 Lief. 8°. Marburg & Leipzig, 1871–72. [3, pp. 690–707.]

1880–82. Grundzüge der Zoologie. Ed. 4. 2 vols. 8°. Marburg. [I (1880), pp. 75, 79; II (1882), pp. 110–134.]

1883. Lehrbuch der Zoologie. Ed. 2. 8°. Marburg & Leipzig. [pp. 118, 609–649, ff. 558–582.]

Claus, *C. F. W.*

1884. Traité de Zoologie. Ed. 2 Françoise. Traduite . . . par G. Moquin-Tandon. 8°. Paris. [pp. 112, 1115–1140, ff. 951–974.]

1884–85. Elementary Text-book of Zoology. Transl. and ed. by Adam Sedgwick. 2 vols. 8°. London. [I (1884), pp. 117, 123, 139; II (1885), pp. 85–109, ff. 558–568 (25 figs.).]

1904–5. Lehrbuch der Zoologie. Ed. 7 (of Grundzüge and Lehrbuch). Ed. by Karl Grobben. 2 parts. 8°. Marburg in Hessen. [1 (1904), pp. 155–212 *passim*, ff. 201, 208; 2 (1905), pp. 687–701, ff. 773–783 (25 figs.).]

Clermont, *Numa.*

1836. Histoire naturelle des Animaux invertèbres. Ed. 2. 2 pts. 12°. Paris. [1, pp. 33–35.]
(First ed., in 3 vols., in 1834.)

Cleve, *Pehr Theodor.*

1899. Plankton-Researches in 1897. *Svenska Vet.-Akad. Handl.* (N.F.) XXXII, 7, 33 pp. [pp. 12, 24–25, 30–31.]

1900. The Plankton of the North Sea, the English Channel, and the Skagerak in 1898. *Svenska Vet.-Akad. Handl.* (N.F.) XXXII, 8, 53 pp., 11 figs. [pp. 11, 32, 35, 46–47, 50–51 (2 sps.).]

1900. The seasonal distribution of Atlantic Plankton Organisms. *Bih. Göteborgs Vet. Handl.* IV, iii, 3, 368 pp. [p. 25 (*Fritillaria borealis*).]

1902. The Plankton of the North Sea and the Skagerak in 1900. *Svenska Vet.-Akad. Handl.* (N. F.) XXXV, 7, 49 pp. [pp. 6–18, 33–37, *passim.*]

1903. Plankton-researches in 1901 and 1902. *Svenska Vet.-Akad. Handl.* (N. F.) XXXVI, 8, 53 pp. [pp. 18, 19, 21.]

Cloquet, *Hippolyte.*

1830. Système Anatomique. Vol. IV. Mollusques, etc. (In) Encylopédie Méthodique. 4°. Paris. [pp. 293, 299, 324–325, 335, 338, 340, 345, 349, 357, 360, 366–367, 376.]

Cocks, *W. P.*

1849. Specimens of Natural History procured in Falmouth and neighbourhood . . . 1849. 15 pp. (litho.) 4°. [10 sps.]

1850. Contributions to the Fauna of Falmouth. *17th Rep. Cornw. Polyt. Soc.* 1849, pp. 38–102. [pp. 72–75 (68 sps., the composite forms named by H. Milne Edwards).]

Cocks, *W. P.*

1852. Contributions to the Fauna of Falmouth. Addenda to contributions of former years. *19th Rep. Cornw. Polyt. Soc.* 1851, pp. 14–22. [p. 17 (one sp.).]

Coldstream, *John.*

1830. Additions to the Natural History of British Animals. *Edinb. new Philos. Jrn.* IX, pp. 234–241, pl. ii (numbered iv). [pp. 239–241, pl. ii, ff. 8–11.]

1832. Beiträge zur Naturgeschichte brittischer Thiere. *Isis,* 1832, cols. 921–922. [col. 922.]

Cole, *Arthur Charles.*

1882. Studies in Microscopical Science. 4 vols. 8°. London, 1882–87. [I, pp. 33, 82, 177.]

Collin, *Anton.*

1893–94. Bericht über die Leistungen in der Naturgeschichte der Tunikaten. *Arch. Naturg.* II, 3. 1888 und 1889, LVI, pp. 5–14 (1893). 1890, LVII, pp. 1–11 (1894).

1896. Mantelthiere (Tunikaten). (In) Anleitung zum Sammeln, Konserven, und Verpacken von Thiere . . . 8°. Berlin. [p. 38.]

Collin, *Jonas.*

1884. Om Limfjordens tidligere og nuværende Marine Fauna, med særlight hensyn til Blöddyrfaunaen. 8°. Kjöbenhavn. [p. 23 (8 sps.).]

Collingwood, *Cuthbert.*

1868. Rambles of a Naturalist on the shores and waters of the China Sea: . . . in 1866 and 1867. 8°. London. [pp. 398–401 (Luminosity of *Pyrosoma*).]

1869. The floating Tunicates of the Atlantic Ocean. *Student,* II, pp. 321–330, pl. (*Salpa*).

Colton, *Buel P.*

1903. Zoology, descriptive and practical. 2 pts. (vols.). 8°. London. [I, pp. 148–151.]

Colton, *H. S.*

1910. The "Pyloric Gland" of the Ascidian *Botryllus*—an organ of excretion? *Biol. Bull. Woods Holl,* XIX, pp. 35–54, pls. i, ii, 2 text-figs.

Conklin, *Edwin Grant.*

1904. Organ-forming germ-regions in the Eggs of Ascidians and Snails. *Amer. Naturalist,* XXXVIII, pp. 501–502.

1905. *Zool. Jahresb.* 1904, Moll. p. 40.

Conklin, *E. G.*

1904. The organization and orientation of the Ascidian Egg. *Biol. Bull. Woods Holl,* VI, p. 322. [*Cynthia, Ciona,* and *Molgula.*]

1905. Does half of an Ascidian Egg give rise to a whole Larva? *Arch. Entwick. Org.* XXI, pp. 727–753, 32 figs.

1905. Experimental studies on the Ascidian Egg. *Science,* (n. s.) XXI, p. 382.

1905. Mosaic development in Ascidian Eggs. *Jrn. Exper. Zool.* II, pp. 145–223, 82 figs.

1908. Développement en mosaïque de l'œuf des Ascidies. *Année biol.* X. pp. 78–79.

1905. Organ-forming substances in the Eggs of Ascidians. With 24 photomicrographs of living eggs of *Cynthia (Styela) partita,* Stimpson, by Katherine Foot and Ella C. Strobell. *Biol. Bull. Woods Holl,* VIII, 4, pp. 205–230, pl. xi.

1908. Substances organo-formatrices dans les œufs des Ascidies. *Année biol.* X, pp. 76–78.

1905. The early development of Chordates in the light of the embryology of Ascidians. *Science,* (n. s.) XXI, pp. 264–265.

1905. The mutation theory from the standpoint of Cytology. *Science,* (n. s.) XXI, pp. 525–529. [p. 526.]

1908. La théorie de la mutation au point de vue cytologique. *Année biol.* X, p. 349.

1905. The organization and cell-lineage of the Ascidian Egg. *Jrn. Acad. Philad.* (2) XIII, pp. 1–119, pls. i–xii, 40 text-figs.

1906. *Zool. Jahresb.* 1905, Tunicata, pp. 3–7. [Several memoirs above.]

1908. The Mechanism of Heredity. *Science,* (n. s.) XXVII, pp. 89–99. [p. 97.]

Cope, *Edward Drinker.*

1885. The position of *Pterichys* in the System. *Amer. Naturalist,* XIX, pp. 289–291, 2 figs. [*passim.*]

1886. *Zool. Jahresb.* 1885, iv, p. 3.

1887. The Origin of the Fittest. 8°. London & New York. [pp. 322–323, 399, ff. 62, 63.]

1896. The primary factors of Organic Evolution. 8°. Chicago. [pp. 172, 214–215, 362.]

Coppinger, *Richard William.*

1883. Cruise of the 'Alert.' Four years in Patagonian, Polynesian, and Mascarene Waters (1878–82). 8vo. London. [pp. 19, 168 (*Salpa* and *Pyrosoma*).]

Coquebert de Montbret, *Antoine Jean.*

1797. Mémoire sur deux espèces d'Ascidies. *Bull. Soc. Philom. Paris,* (2) II, p. 1, pl. i, ff. 1–4.

Cori, *Carl J., & Adolf* **Steuer.**

1901. Beobachtungen über das Plankton des Triester Golfes in den Jahren 1899 und 1900. *Zool. Anzeig.* XXIV, pp. 111–116, pl. i. [pp. 113–115, pl. i.]

Costa, *Achille.*

1866. Osservazioni embriologische sulla *Salpa pinnata. Rend. Accad. Sci. Napoli,* V, pp. 438–440.

Costa, *Orenzio Gabriele.*

1839. Osservazioni fisiologiche ed anatomiche sopra alcune specie del genere *Salpa. Mem. Accad. Sci. Napoli,* IV, pp. 193–196; Suppl. pp. 223–230, 4 pls.

1842. Recherches sur l'appareil respiratoire des Ascidiens. *Compt. rend. Acad. Sci.* XIV, pp. 220–221.

1843. Su di alcune specie di Ascidie. *Atti Accad. Sci. Napoli,* V, 2, pp. 75–80, 1 pl.

Coues, *Elliott, & H. C.* **Yarrow.**

1878. Notes on the Natural History of Fort Macon, N. C., and vicinity. (No. 5.) *Proc. Acad. Philad.* 1878, pp. 297–315. [pp. 303–304 (3 sps.).]

Crampton, *Henry Edward.*

1898. Early stages in the development of *Molgula. Amer. Naturalist,* XXXII, pp. 126–127.

1898. On the early history of the Egg in *Molgula manhattensis. Anat. Anzeig.* XIV, pp. 351–352.

1898. The Ascidian half-Embryo. *Ann. New York Acad. Sci.* X, pp. 50–57, 2 pls. [*Molgula manhattensis.*]

1899. The Ascidian half-embryo. *Jrn. R. Micr. Soc.* 1899, p. 153.

1900. Les demi-embryons d'Ascidies. *Année biol.* IV, p. 175.

1898. The Fertilization of the Egg of *Molgula manhattensis. Science,* (N. S.) VII, pp. 223–224.

1899. Studies upon the early history of the Ascidian Egg. Part I.—The ovarian history of the Egg of *Molgula manhattensis. Jrn. Morphol.* XV, Suppl. pp. 29–56, pl. iii.

1901. Études sur le développement de l'œuf d'Ascidie. *Année biol.,* V, p. 103.

1899. The Origin of the yolk in the Egg of *Molgula. Science,* (N. S.) IX, pp. 317–318.

Cresswell, *Richard.*

1862. History of Animals. *See* ARISTOTLE.

Crosse, *Joseph Charles Hippolyte.*

1867. Note sur un genre intermédiare entre les Ascidiens et les Mollusques lamellibranches. *Jrn. Conchyl.* (3) VII, pp. 101–107. [*Rhodosoma.*]

Cuénot, *Lucien.*

1889. Études sur le sang, son rôle et sa formation dans la série Animale. *Arch. Zool. expér.* (2) VII, pp. i–ix. [p. iii.]

1891. Études sur le sang et les glandes lymphatiques dans la série Animale. Pt. 2. *Arch. Zool. expér.* (2) IX, pp. 13–90, 365–475, 593–670, pls. i–iv, xv–xviii, xxiii. [pp. 56–71, 642, 649, pl. iii, ff. 9–17.]

Cunningham, *Joseph Thomas.*

1896. North Sea Investigations. (*Continued.*) *Jrn. Marine Biol. Assoc.* (N. S.) IV, 2, pp. 97–143, 3 figs. [p. 108.]

Cunningham, *Robert Oliver.*

1871. Notes on Reptiles, Amphibia, Fishes, Mollusca, and Crustacea obtained during the voyage of H.M.S. 'Nassau' in the years 1866–69. *Trans. Linn. Soc. Lond.* XXVII, 4, pp. 465–502, pl. lviii. [pp. 488–490, pl. lviii, ff. 1–3 (*Goodsiria*).]

Cuvier, *Georges Leopold Cretien Frederic Dagobert.*

1797. Note sur l'Anatomie des Ascidies. *Bull. Soc. Philom. Paris,* (2) II, p. 1.

1798. Tableau élémentaire de l'Histoire naturelle des Animaux. 8°. Paris, An VI. [pp. 656–682.]

1800. Cüvier's elementarischer Entwurf der Naturgeschichte der Thiere, . . . von C. R. W. Wiedemann. 2 vols. 8°. Berlin. [II, pp. 75, 76, 597, pl. x, f. 9.]

1800–5. Leçons d'Anatomie comparée . . . Rec. et publ. . . . par C. Duméril & G. L. Duvernoy. 5 vols. 8°. Paris. [I (1800), tabl. v; II (1800), p. 312; IV (1805), pp. 125, 151, 428; V (1805), p. 184.]

1802. Lectures on Comparative Anatomy. Transl. by W. Ross. 2 vols. 8°. London. [I, pp. 436, 438, table v; II, p. 319.]

1804. Mémoire sur les Thalides (*Thalia,* Brown) et sur les Biphores (*Salpa,* Forskoahl). *Ann. Mus. Hist. Nat.* IV, pp. 360–382, pl. lxviii.

1815. Mémoire sur les Ascidies et sur leur Anatomie. *Mém. Mus. Hist. Nat.* II, pp. 10–39, pls. i–iii.

1817. Le Règne Animal distribué d'après son Organisation. 4 vols. 8°. Paris. [II, pp. 495–504.]

Cuvier, *G. L. C. F. D.*

1817. Mémoires pour servir a l'Histoire et l'Anatomie des Mollusques. No. xix. Sur les Thallides et les Biphores. 24 pp., 1 pl. No. xx. Sur les Ascidies et leur Anatomie. 30 pp., 3 pls. 4°. Paris.

1820. Ueber Thalia und Salpa. *Isis*, 1820, 1 (Litt. Anz.), cols. 260–272, pl. ii (*supra*).

1820. Abhandlung über die Ascidiæ u. über ihre Anatomie. *Isis*, 1820, 2, cols. 387–404, pls. viii, ix.

1822. Das Thierreich eingetleilt nach dem Bau der Thier, . . . von H. R. Schinz. 4 vols. 8°. Stuttgart & Tübingen, 1821–25. [II, pp. 770–781.]

1830. Le Règne Animal . . . [Ed. 2.] 5 vols. 8°. Paris, 1829–30. [III, pp. 162–170.]

1831. The Animal Kingdom arranged in conformity with its Organization. Transl. . . . by H. M'Murtrie. 4 vols. 8°. New York. [II, pp. 426–431.]

1834. The Animal Kingdom, . . . with additional descriptions by Edward Griffith, &c. 16 vols. 8°. London, 1827–34. Vol. XII. The Mollusca and Radiata. [pp. 125–130 (by Cuvier); pp. 413–414 (by Griffith); pl. x.]

1834–37. The Animal Kingdom, arranged according to its organization. [G. Henderson's edition.] 4 vols. text (1834); 4 vols. plates (1837). 8°. London. [III, pp. 111–116; III, pls. xlii, xliii, xliii ter.]

1834–43. Das Thierreich, geordnet nach seiner Organisation. . . . von F. S. Voigt. 6 vols. 8°. Leipzig, 1831–43. [III (1834), pp. 573–597; VI (1843), pp. 267, 272.]

1835–46. Leçons d'Anatomie comparée. . . . Ed. 2. Rec. et publ. . . . par G. L. Duvernoy. 8 vols. (in 9). 8°. Paris. [I (1835), p. 81; II (1837), pp. 25–26; III (1845), p. 320; V (1837), pp. 27–32, 67–70, 79–80, 94–95; VI (1839), pp. 383–384; VII (1840), pp. 381–382, 385–395; VIII (1846), pp. 497–503.]

1836. Le Règne Animal. [Ed. 3.] 3 vols. 8°. Bruxelles. [II, pp. 101–105.]

1836–40. Leçons d'Anatomie comparée . . . Ed. 3. Rec. et publ. par C. Dumeril. 3 vols. 8°. Bruxelles. [I (1836), pp. 202, 203, 515; II (1838), pp. 448–449, 451–452, 456–457; III (1840), pp. 123, 291, 524, 526.]

1836 (?). Iconography du Règne Animal. *See* Guerin-Meneville, F. E.

Cuvier, *G. L. C. F. D.*

1845 (?). Le Règne Animal. [Disciples' edition.] 17 vols. 8°. Paris, 1836–49. V. Les Mollusques. Avec un Atlas, par G. P. Deshayes. [pp. 237–246, pls. cxx–cxxxiii.]

(Several other editions of this work in various languages.)

Cuvier, *G. L. C. F. D., & Pierre André* **Latreille.**

1827. Extrait du rapport sur les observations zoologiques de MM. Quoy et Gaimard [1827]. *Ann Sci. nat.* (1) X, pp. 239–243. [pp. 241–242.]

D.

Dahl, *Friedrich Otto.*

1904. Kurze Anleilung zum wissenschaftlichen Sammeln und zum Conserviren von Thieren. 8°. Jena. [pp. 35, 37, 75–77, ff. 121–124.]

Dahlgruen, *Wilhelm.*

1901. Untersuchungen über den Bau der Excretionsorgane der Tunicaten. *Zool. Anzeig.* XXIV, pp. 149–151.

1901. Untersuchungen über den Bau der Excretionsorgane der Tunicaten. *Arch. mikr. Anat.* LVIII, pp. 608–640, pls. xxx, xxxi.

1901. Excretory Organs of Tunicates. *Jrn. R. Micr. Soc.* 1901, p. 640.

1902. *Zool. Jahresb.* 1901, Tunicata, p. 2.

1905. Ueber die Exkretionsorgane der Tunicaten. *Jahresb. Ges. Hannover,* 1905, pp. 54–55.

Dakin, *William J.*

1908. Notes on the Alimentary Canal and Food of the Copepoda. *Internat. Rev. Hydrobiol.* I, 6, pp. 772–782. [p. 777 (*Appendicularia*).]

1910. Marine Plankton of the Isle of Man. *See* Herdman, W. A., A. Scott, & W. J. Dakin.

Dall, *William Healey.*

1872. Descriptions of sixty new forms of Mollusks from the West Coast of North America and the North Pacific Ocean, . . . *Amer. Jrn. Conchol.* VII, pp. 93–160, pls. xiii–xvi. [pp. 157–159 (5 sps.).]

Dallas, *William Sweetland.*

1858. Zoology. *See* Carpenter, W. B.

Dalla Torre, *K. W.*

1889. Die Fauna von Helgoland. *Zool. Jahrb.* 1889, Suppl. [pp. 46–47 (13 sps.).] (And sep.) 99 pp. 8°. Jena. [*Ibid.*]

Dallinger, *William Henry.*

1891. The Microscope. *See* Carpenter, W. B.

Dalyell, *Sir John Graham.*

1839. A singular mode of propagation among the Lower Animals illustrated. *Edinb. new Philos. Jrn.* XXVI, pp. 152–158, 3 figs. [Chiefly Tunicata.]

1839. *Arch. Naturg.* V, ii, p. 181.

1839. Ueber eine sonderbare Fortpflanzungsart ben den niedern Thieren. *Isis*, 1839, cols. 540–543. [cols. 541–542.]

1848. Rare and remarkable Animals of Scotland, . . . 2 vols. 4°. London, 1847–48. [II, pp. 138–173, pls. xxxiv–xli.]

1849. *Arch. Naturg.* XV, ii, pp. 105–106.

Damas, *Désiré.*

1899. Les formations épicardiques chez *Ciona intestinalis*. *Arch. Biologie*, XVI (1900), 1, pp. 1–25, pls. i–iii.

1899. Epicardium in *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1899, pp. 385–386.

1900. *Zool. Jahresb.* 1899, Tunicata, pp. 5–6.

1900. Développement de *Molgula ampulloides*. *See* Sélys-Longchamps, M. de, & D. Damas.

1900. Étude du sac branchial chez *Ciona intestinalis* (L). *Arch. Biologie*, XVII (1901), 1, pp. 1–32, pls. i, ii.

1900. Branchial Sac in *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1900, p. 664.

1902. Recherches sur le développement des Molgules. *Arch. Biologie*, XVIII, 4, pp. 599–664, pls. xxv–xxviii.

1902. Development of Molgulidæ. *Jrn. R. Micr. Soc.* 1902, p. 639.

1903. *Zool. Jahresb.* 1902, Tunicata, pp. 3–4.

1904. Contribution à l'étude des Tuniciers. I. La segmentation de la queue des Appendiculaires. II. Étude comparée de la branchie des Tuniciers. III. Quelques remarques sur l'anatomie de la larve de *Distaplia magnilarva*. *Arch. Biologie*, XX (1905), 1, pp. 745–833, pls. xx–xxiii.

1905. Studies on Tunicates. *Jrn. R. Micr. Soc.* 1905, p. 177.

1905. *Zool. Jahresb.* 1904, Tunicata, pp. 2–3, 5–6, 10.

1906. *Zool. Zentralbl.* XIII, pp. 49–53.

1904. Les Molgules de la côte Belge. *Arch. Biologie*, XXI, pp. 161–181, 6 figs. [6 sps.]

Danielssen, *Daniel Cornelius.*

1861. Beretning om en zoologisk Reise foretagen i Sommeren 1857. *Nyt Mag. Naturvid.* XI, pp. 1–58. [pp. 48–49.]

Danilewsky, *B.*

1892. Ueber die physiologische Wirkung des Cocains und wirbellose Thiere. *Arch. ges. Physiol.* LI, pp. 446–454. [pp. 449, 452 (*Ciona* and *Cynthia*).]

Darwin, *Charles Robert.*

1839. Journal and Remarks, 1832–1836. Narrative of the surveying voyages of His Majesty's ships Adventure and Beagle . . . Vol. III. 8°. London. [p. 304.]

1845. Journal of Researches . . . Ed. 2 (of Journal and Remarks). 8°. London. [p. 240.]

1860. A Naturalist's Voyage. Journal of Researches . . . [Ed. 3.] 8°. London. [p. 291.]

(Many reprints.)

1871. The Descent of Man, and Selection in relation to Sex. 2 vols. 8°. London. [I, pp. 205–206.]

Daumézon, *Georges.*

1907. Liste des Synascidies du golfe de Marseille. *Compt. rend. Assoc. Français,* XXXVI, 1, p. 240.

1908. Liste des Synascidies du golfe de Marseille. *Compt. rend. Assoc. Français,* XXXVI, 1, p. 240; 2, pp. 589–591.

1908. Note sur la musculature de quelques Synascidies. *Compt. rend. Soc. Biol.* LXIV, 1, pp. 774–775.

1908. Musculature of Compound Tunicates. *Jrn. R. Micr. Soc.* 1908, p. 573.

1908. Note sur l'embryologie d'une espèce d'Ascidie composée (*Distoma tridentatum* Heiden). *Compt. rend. Soc. Biol.* LXIV, 1, pp. 776–777.

1908. Development of *Distoma tridentatum. Jrn. R. Micr. Soc.* 1908, p. 573.

1908. Note sur l'évolution annuelle d'une espèce de Synascidie (*Distoma tridentatum* Heiden). *Compt. rend. Soc. Biol.* LXIV, 1, pp. 980–982.

1908. Note sur les enveloppes de quelques Synascidies. *Compt. rend. Soc. Biol.* LXIV, 1, pp. 1170–1171, 2 figs.

1908. Note phylogénétique sur une nouvelle espèce d'Ascidie composée, *Didemnoides massiliense* n. sp. *Compt. rend. Soc. Biol.* LXV, 2, pp. 179–180.

1909. New species of *Didemnoides. Jrn. R. Micr. Soc.* 1909, p. 455.

1908. Note phylogénétique sur une nouvelle espèce d'Ascidie composée, *Distoma posidoniarum. Compt. rend. Soc. Biol.* LXV, 2, pp. 535–537.

1909. *Zool. Jahresb.* 1908, Tunicata, pp. 3–4. (Above six memoirs.)

1910. *Arch. Naturg.* LXXV, II, 3, pp. 2–4. (Above eight memoirs.)

Daumézon, *G.*

1909. Contributions à l'étude des Synascidies du Golfe de Marseille. *Bull. sci. France Belg.* XLII, pp. 269–432, 4 pls., 58 text-figs.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 5.

1909. Présure des Ascidiés. *See* Gerber, C., & G. Daumézon.

Davenport, *Charles Benedict.*

1895. Studies in Morphogenesis. IV. A preliminary catalogue of the processes concerned in Ontogeny. *Bull. Mus. Comp. Zool.* XXVII, pp. 171–199, 31 figs. [pp. 178–179, 193, f. 7 (*Pyrosoma*).]

1899. Experimental Morphology. 2 parts (vols.). 8°. New York & London, 1897–99. [II, pp. 303–304, 382.]

(Ed. 2 in one vol. 1908. [*Ibid.*])

Davidoff, *M. von.*

1887. Ueber die ersten Entwicklungsvorgänge bei *Distaplia magnilarva,* Della Valle, einer zusammengesetzten Ascidie. *Anat. Anzeig.* II, pp. 575–579.

1887. Ueber freie Kernbildung in Zellen. *Sitzber. Ges. Morph. München,* III (1888), 1, pp. 32–45. [pp. 34–42 *passim.*]

1888. *Zool. Jahresb.* 1887, Tunicata, p. 3.

1889. Untersuchungen zur Entwickelungsgeschichte der *Distaplia magnilarva* Della Valle, einer zusammengesetzten Ascidie. I. Die Reifung des Eies. *Mitth. zool. Stat. Neapel,* IX, 1, pp. 113–178, pls. v, vi.

1890. *Zool. Record,* XXVI, Tunicata, pp. 3–4.
1891. *Zool. Jahresb.* 1889, Tunicata, pp. 2–3.
1893. *Arch. Naturg.* LVI, II, 3, pp. 6–7.

1890. Untersuchungen zur Entwicklungsgeschichte der *Distaplia magnilarva* Della Valle, einer zusammengesetzten Ascidie. II. Allgemeine Entwicklungsgeschichte der Keimblätter. *Mitth. zool. Stat. Neap.* IX, 4, pp. 533–651, pls. xviii–xxiv, 3 text-figs.

1891. Development of *Distaplia magnilarva. Jrn. R. Micr. Soc.* 1891, pp. 333–335.
1893. *Zool. Jahresb.* 1891, Tunicata, pp. 4–6.
1895. *Arch. Naturg.* LVIII, II, 3, pp. 3–6.

1893. Ueber den "Canalis neurentericus anterior" bei den Ascidien. *Anat. Anzeig.* VIII, pp. 301–303.

1894. Canalis neurentericus anterior. *Jrn. R. Micr. Soc.* 1894, p. 316.
1894. *Zool. Jahresb.* 1893, Tunicata, pp. 16–17.

Davydoff, *C.*

1902. Ueber die Regeneration der Eichel bei den Enteropneusten. *Zool. Anzeig.* XXV, pp. 551–556. [p. 555.]

1903. [Preliminary Report on a voyage to the island of Java and to other islands of the Malay Archipelago.] (In Russian.) *Bull. Acad. Sci. St. Pétersb.* (5) XVIII, pp. 25–32. [p. 31 (*Oikopleura*).]

1908. [Studies on the regeneration of the Enteropneusta.] (In Russian.) *Mém. Acad. Sci. St. Pétersb.* (8) XXII, 10, 120 pp., 70 figs. [pp. 96–98.]

De Kay, *James Ellsworth.*

1843. Zoology. Pt. 5. Mollusca. (In) Natural History of New York. 4°. Albany. [pp. 258–260 (9 sps.), pl. xxxiv, f. 324 (*Boltenia reniformis*).]

Delage, *Marie Yves.*

1885–89. Cynthiadées de France (1885). Études sur les Cynthiadées (1889). Ascidies de France (1889). *See* Lacaze-Duthiers, H. de, & M. Y. Delage.

1895. La structure du Protoplasma et les théories sur l'hérédité et les grands problèmes de la Biologie générale. 8°. Paris. [pp. 95–129 *passim*; 161.]

Delage, *M. Y., & Edgard Joseph Émile* **Hérouard.**

1898. Traité de Zoologie concrète . . . , VIII. Les Procordés. 8°. Paris. [pp. 132–312, 313–361, *passim*; 368–373, pls. xxii–liv, text-ff. 121–232.]

1900. *Zool. Centralbl.* VII, pp. 233–234.

Delap, *M. J., & C.* **Delap.**

1905. Notes on the Plankton of Valencia Harbour, 1899–1901. *Rep. Fisheries Ireland,* 1902 and 1903, II, Appx. 1, pp. 1–19. [pp. 7, 16–17.]

1906. Notes on the Plankton of Valencia Harbour 1902–1905. *Rep. Fisheries Ireland,* 1905, II, Appx. 7, pp. 141–159. [pp. 155, 156–157.]

Della Valle, *Antonio.*

1881. Nuove contribuzioni alla storia naturale delle Ascidie composte del Golfo di Napoli. *Atti Accad. Lincei,* (3) Mem. X, pp. 431–498, 10 pls. (Abstr.) Trans. IV, pp. 14–15.

1881. Contributions to the Natural History of the Compound Ascidia (*sic*) of the Bay of Naples. *Ann. Nat. Hist.* (5) VIII, pp. 455–456.

1882. Nouvelles contributions à l'histoire naturelle des Ascidies composées du Golfe de Naples. *Arch. Zool. expér.* X, pp. xl–xlii.

1883. *Zool. Jahresb.* 1882, III, pp. 6–8.

Della Valle, *A.*

1882. *Distaplia,* nouveau genre de Synascidies. *Arch. Ital. Biol.* I, pp. 193–203, 1 pl.

1887. *Arch. Natury.* LI, II, 3, p. 143.

1882. Recherches sur l'anatomie des Ascidies composées. *Arch. Ital. Biol.* II, pp. 9–49, 3 pls.

1887. *Arch. Natury.* LI, II, 3, pp. 125–126.

1882. Sur le bourgeonnement des Didemnides et des Botryllides, et sur le type entérocœlien des Ascidies. *Arch. Ital. Biol.* II, pp. 50–72, 3 pls.

1883. Gemmation in Didemnidæ and Botryllidæ. *Jrn. R. Micr. Soc.* (2) III, p. 196.

1887. *Arch. Natury.* LI, II, 3, pp. 126–127.

1884. Sul ringiovanimento delle colonie di *Diazona violacea,* Savigny. *Rend. Accad. Sci. Napoli,* XXIII, pp. 23–26.

1884. Sur le rejeunissement des colonies de la *Diazona violacea,* Savigny. Note préliminaire. (Transl.) *Arch. Ital. Biol.* V, 3, pp. 329–332.

1885. *Zool. Jahresb.* 1884, IV, pp. 4, 10.

1884–86. Tunicata. *Zool. Jahresb.* 1883, 4, 23 pp. (1884). 1884, 4, 11 pp.; 1885, 4, 11 pp. (1886).

1888–1900. Tunicata. *Zool. Jahresb.* 1886, 8 pp.; 1887, 4 pp. (1888). 1888, 6 pp. (1890). 1889, 6 pp. (1891). 1890, 7 pp. (1892). 1891, 13 pp.; 1892, 7 pp. (1893). 1893, 34 pp. (1894). 1894, 13 pp. (1895). 1895, 14 pp. (1896). 1896, 12 pp. (1897). 1897, 5 pp. (1898). 1898, 6 pp. (1899). 1899, 10 pp. (1900).

1900. Intorno ai movimenti delle appendici ectodermiche del *Diplosoma Listeri. Rend. Accad. Sci. Napoli,* XXXIX, pp. 172–173.

1901. *Zool. Centralbl.* VIII, p. 840.

1900. Osservazioni intorno alle migrazioni delle colonie di *Diplosoma listeri. Monit. Zool. Ital.* XI, Suppl. pp. 33–34.

1901. Di alcune particolarità osservate nelle Ascidie del Golfo di Napoli. i. Diversa maniera di origine delle nuove colonie di *Diplosoma listeri.* ii. Migrazione della *Ciona intestinalis. Monit. Zool. Ital.* XII, pp. 186–188.

1901–7. Tunicata. *Zool. Jahresb.* 1900, 9 pp. (1901). 1901, 5 pp. (1902). 1902, 6 pp. (1903). 1903, 8 pp. (1904). 1904, 13 pp. (1905). 1905, 12 pp. (1906). 1906, 5 pp. (1907).

1907. Osservazioni su alcune Ascidie del Golfo di Napoli. *Rend. Accad. Sci. Napoli,* (3) XIII, p. 148.

Della Valle, *A.*

1908. Osservazioni su alcune Ascidie del Golfo di Napoli. *Atti. Accad. Sci Napoli* (2) XIII, 11. 89 pp., 5 pls.

1909. *Zool Jahresb.* 1908, Tunicata, pp. 4–6.

1910. *Arch. Naturg.* LXXV, II, 3, p. 4.

1908–10. Tunicata. *Zool. Jahresb.* 1907, 5 pp. (1908). 1908, 8 pp. (1909). 1909, 5 pp. (1910).

Delle Chiaje, *Stefano.*

1827–30. Memorie sulla storia e notomia degli Animali senza vertebre del regno di Napoli, . . . 4 vols. 4°; Atlas, fol. Napoli, 1822–30 (dated 1823–29). [II (1827), pp. 269–270; III (1828), pp. 14, 53–56, 59–64, 82–98, 99–100, 183–204; IV (1830), p. 195, pls. (*pars*) xxxvi, xxxvii, xlv–xlvii, lxv, lxxvii, cvi, cix.]

1832–36. *Isis*, 1832, cols. 541–559. [cols. 557, 558.] 1836, cols. 291–293. [col. 291.]

1841. Descrizione e Notomia degli Animali Invertebrati della Sicilia osservati negli anni 1822–30. 8 vols. 4°. Napoli, 1841–44. [III, pp. 13–46, pls. lxxvi–lxxxv, and (*pars*) lxvi, lxix, cxliv, clxiii.]

Delsman, *H. C.*

1910. Beiträge zur Entwicklungsgeschichte von *Oikopleura dioica*. *Verh. Rijks-inst. Onderz. Zee,* III. 24 pp., 3 pls., 11 text-figs.

Derjugin, *K. M.*

1906. Die Murmansche biologische Station 1899–1905. *Trav. Soc. Nat. St. Pétersb.,* Trudui, XXXVII, pp. 1–179. [pp. 154–155 (19 sps).]

Déshayes, *Gérard Paul.*

1829. Salpa. (In) Dict. classique d'Hist. nat. XV, pp. 80–85. 8°. Paris.

1830. Tethys, Thalides, Thalie. (In) Dict. classique d'Hist. nat. XVI, pp. 183–184, 204–205. 8°. Paris.

1832. Histoire naturelle des Vers. Vols. II and III. (In) Encyclopédie Methodique. [III, pp. 921–924.]

1845 (?). Mollusques, in Cuvier's Régne Animal. *See* Cuvier, G. L. C. F. D.

Deslonchamps, *Eudes.*

1830. Téthie. (In) Dict. classique d'Hist. nat. XVI, pp. 182–183. 8°. Paris.

Desmarest, *Anselm Gaëtan, & Charles Alexander* **Lesueur.**

1815. Mémoire sur le Botrylle étoilé (*Botryllus stellatus*). *Jrn. Physique,* LXXX, pp. 424–431, pl. i, ff. 14–23 (ff. 21–23, *Synoicum turgens*).

1815. Note sur le Botrylle étoilé (*Botryllus stellatus*) Pall. *Bull. Soc. Philom. Paris,* 1815, pp. 74–78, pl. i, ff. 14–23 (ff. 21–23, *Synoicum turgens*).

1817. Bemerkung uber *Botryllus sellatus* Pall. (und *Synoicum* Phipps). *Isis,* 1817, cols. 1461–1464.

Desmarest, *Eugène.*

1848. *Distomus.* (In) Dict. univ. d'Hist. nat. V, p. 85. 8°. Paris.

1858. Encyclopédie d'Histoire naturelle. *See* Chenu, J. C., & E. Desmarest.

Desor, *Pierre Jean Édouard.*

1848. [*Salpa Caboti,* sp. n., exhibited and described.] *Proc. Boston Soc. Nat. Hist.* III, pp. 75–76.

Dickie, *George.*

1858. Report on the Marine Zoology of Strangford Lough, County Down, and corresponding part of the Irish Channel. *Rep. Brit. Assoc.* 1857, pp. 104–112. [pp. 105, 111 (20 sps.).]

Dicquemare, *l'Abbé.*

1777. Sacanimal. *Obs. Physique,* IX, 1, pp. 137–138, pl. i, ff. 1–7.

1777. Le Reclus marin. *Obs. Physique,* IX, 1, pp. 356–357, pl. ii.

1780. Les Cœurs-unis. *Obs. Physique,* XVI, 2, pp. 304–306, pl. ii.

1781. Die vereinigten Herzen. (Transl.) *Mag. Phys. Naturg.* I, 1, pp. 38–41, pl. i, ff. 1–3.

1782. L'Informe. *Obs. Physique,* XX, 2, pp. 349–350, pl. ii.

1783. Ueber den Unform. (Transl.) *Mag. Phys. Naturg.* II, 1, pp. 70–72.

1783. Le Bouton-Gris. *Obs. Physique,* XXIII, 2, pp. 75–76, pl. ii.

1784. Der graue Knopf. (Transl.) *Mag. Phys. Naturg.* II, 3, pp. 82–83, pl. i, ff. 4, 5.

Dioscorides, *Pedacius.*

1523. P. Dioscoridæ . . . de Medica Materia: libri sex a M. Virgilio . . . fol. Florentiæ. [Lib. v, cap. 90, fol. 325 (*Halcyonium quintum*).]

Dioscorides, *P.*

1902. Des pedanios Dioskurides aus anazarbos Arzneimittellehre in fünf Büchern . . . von J. Berendes. 8°. Stuttgart. [p. 540 (Halkyonion); Notes, p. 541 (*Alcyonium ficus*).]

Doflein, *F.*

1905. Die Tiefseefauna der Sagamibucht. *Mitth. deutsch. Ostasiens Tokyo,* X, 2, pp. 243–250. [p. 246 (*Salpa* and *Pyrosoma*).]

1906. Fauna und Ozeanographie der japanischen Küste. *Verh. deutsch. zool. Ges.* XVI, pp. 62–72, pl. i. [pp. 65, 66.]

1906. Ostasienfahrt. Ergebnisse und Beobachtungen eines Naturforschers in China, Japan, und Ceylon. 8°. Leipzig & Berlin. [pp. 158, 198, 227.]

Dohrn, *Felix Anton.*

1875. Der Ursprung der Wirbelthiere und das Princip des Functionswechels. 8°. Leipzig. [pp. v, vii, xiv, 32–60; 67–72 *passim.*]

1876. Verzeichniss über die Erscheinungen und die Trächtigkeit verschiedener. *Jahresb. zool. Stat. Neapel,* I, pp. 43–56. [pp. 46, 55.]

1880. Leitfaden für das Aquarium der zoologische Station zu Neapel. 8°. Neapel. [pp. 52–57.]

1880. Preis-Verzeichnis der durch die zoologische Station zu beziehenden mikroskopischen Präparate. *Mitth. zool. Stat. Neapel,* II, 2, pp. 238–253. [p. 247.]

1881. Zweites Preisverzeichnis der durch die zoologische Station zu Neapel zu beziehenden conservirten Seethiere. *Mitth. zool. Stat. Neapel,* II, 3, pp. 515–530. [p. 529.]

1883. Leitfaden für das Aquarium. Atlas. 8°. Neapel. [pls. xxvii, xxviii, ff. 1–4.]

1884. Leitfaden für das Aquarium der zoologischen Station zu Neapel. Ed. 2. 8°. Neapel. [pp. 34–36.]

1885. Studien zur Urgeschichte des Wirbelthierkörpers. VIII. Die Thyreoidea bei *Petromyzon, Amphioxus,* und den Tunicaten. *Mitth. zool. Stat. Neapel,* VI, 1, pp. 49–80, pls. v–viii. [pp. 57–64; pls. vii, ff. 17 *a,* 17 *b,* viii, ff. 24–29.]

1885. Studien zur Urgeschichte des Wirbelthierkörpers. IX. Die Bedeutung der unpaaren Flosse für die Beurtheilung der genealogischen Stellung der Tunicaten und des *Amphioxus,* und die Reste der Beckenflosse bei *Petromyzon.* X. Zur Phylogenese des Wirbelthierauges. *Mitth. zool. Stat. Neapel,* VI, 3; pp. 399–432, 432–480, pls. xxiii, xxiv. [pp. 413–427 *passim*; 432–434, 439, 440.]

Dohrn, *F. A.*

1887. Studien zur Urgeschichte des Wirbelthierkörpers. XII. Thyreoidea . . . bei . . . Tunicaten. *Mitth. zool. Stat. Neapel*, VII, 2, pp. 301–337, pls. iv, v. [*passim.*]

Dolley, *Charles S.*

1884. On the process of digestion in *Salpa*. *Proc. Acad. Philad.* 1884, pp. 113–115. (And) *Ann. Nat. Hist.* (5) xiv, pp. 72–74.

1884. Some observations opposed to the presence of a parenchymatous or intra-cellular digestion in *Salpa*. *Zool. Anzeig.* VII, pp. 705–708.

1887. On the Histology of *Salpa*. *Proc. Acad. Philad.* 1887, pp. 298–308, pl. xiii.

1888. *Zool. Jahresb.* 1887, Tunicata, p. 4.

Donitz, *W.*

1871. Ueber die sogenannte Chorda der Ascidienlarven und die vermeintliche Verwandschaft von Wirbellosen und Wirbelthieren. *Sitzber. Ges. Freunde Berlin*, 1870, pp. 47–51. (And) *Arch. Anat. Physiol.* 1870, pp. 761–764. [*Clavelina lepadiformis.*]

1871. On the so-called Chorda of the Ascidian Larvæ, and the alleged affinity of the Invertebrate and Vertebrate Animals. (Review.) *Qrt. Jrn. Micr. Sci.* (n. s.) IX, pp. 281–283.

Drasche, *Richard von.*

1882. *Oxycorynia*, eine neue Synascidien-Gattung. *Verh. Ges. Wien*, XXXII, pp. 175–178, pl. xiii.

1882. New Synascidian. *Jrn. R. Micr. Soc.* (2) II, p. 331.

1882. Ueber eine neue Synascidien Gattung. *Zool. Anzeig.* V, pp. 162–163.

1882. Zur Classification der Synascidien. *Zool. Anzeig.* V, pp. 695–698.

1884. *Zool. Record*, XIX, Moll. p. 107.

1883. Die Synascidien der Bucht von Rovigno (Istrien). Ein Beitrag zur Fauna der Adria. 41 pp., 11 pls. 4°. Wien.

1884. *Zool. Jahresb.* 1883, iv. pp. 6, 17, 18.
1885. *Zool. Record*, XX, Moll. pp. 101–102.
1887. *Arch. Naturg.* LI, ii, 3, pp. 143–145.

1884. Ueber eine neue Synascidie (*Polyclinoides diaphanum*) aus Mauritius. *Verh. Ges. Wien*, XXXIII, pp. 119–121, pl. v, ff. 5–10.

1884. Ueber einige neue und weniger gekannte ausser-europäische einfachen Ascidien. *Denkschr. Akad. Wien*, XLVIII, pp. 369–386, 8 pls.

Drasche, *R. von.*

1885. Ueber einige Molguliden der Adria. *Verh. Ges. Wien,* XXXIV, pp. 159–170, pls. vi, vii, 1 text-fig.

1886. Tunicaten von Jan Meyen. (In) Die internationale Polarforschung 1882–83. Die Oesterreichische Polarstation Jan Meyen . . . 3 vols. 4°. Wien. [III, Zoologie, pp. 101–104 (5 sps.), pl. viii.]

Driesch, *Hans.*

1895. Von der Entwickelung einzelner Ascidien-blastomeren. *Arch. Entwick. Org.* I, 3, pp. 398–413, pl. xvii.

1898. Von der Beendigung morphogener Elementarprocesse. Aphoritische Betrachtungen. *Arch. Entwick. Org.* VI, 2, pp. 198–227, 5 figs. [pp. 216–217 (*Phallusia*).]

1900. La terminaison des processus morphogènes élémentaires. *Année biol.* IV, p. 192.

1902. Ueber ein neues harmonisch-äquipotentielles System und über solche Systeme überhaupt. *Arch. Entwick. Org.* XIV, pp. 227–246, 7 figs. [pp. 227–235, ff. 1–7 (*Clavelina*).]

1902. Studien über das Regulationsvermögen der Organismen. 6. Die Restitutionen der *Clavellina lepadiformis. Arch. Entwick. Org.* XIV, pp. 247–287, 6 figs.

1903. *Zool. Jahresb.* 1902, pp. 2–3. [Above two memoirs.]

1903. Ueber Aenderungen der Regulationsfähigkeiten im Verlauf der Entwickelung bei Ascidien. *Arch. Entwick. Org.* XVII (1904), 1, pp. 54–63, 3 figs. [*Phallusia.*]

1904. *Zool. Jahresb.* 1903, p. 6.

1905. Skizzen zur Restitutionslehre. *Arch. Entwick. Org.* XX (1906), 1, pp. 21–29, 3 figs. [pp. 24–28, f. 3 (*Clavelina*).]

1906. Die Physiologie der tierischen Form. *Ergebn. Physiol.* V, pp. 1–107, 7 figs. [pp. 48, 50–51, 71, 89, f. 5 (*Clavelina*).]

Driver, *H.*

1908. Das Ostseeplankton der 4 deutschen Terminfahrten im Jahre 1905. (In) Wiss. Meeres. Komm. deutsch. Meere, (N. F.) X, Abh. Kiel, pp. 107–127. 4°. Kiel & Leipzig. [p. 126 (Appendicularien).]

Dubois, *Ralph.*

1901. Du cuivre normal dans la série Animale. (Animaux marins et terrestres.) *Ann. Soc. Linn. Lyon,* (N. S.) XLVII, pp. 93–97. [p. 96.]

Dujardin, *Félix.*

1840. Tuniciers. (In) Animaux sans Vertèbres. *See* LAMARCK, J. B. P. A. de Monet de.

Duméril, *André Marie Constant.*

1806. Zoologie analytique, ou Méthode naturelle de Classification des Animaux, . . . 8°. Paris. [pp. 168–169.]

(German ed., Analytische Zoologie. 8°. Weimar, 1806.)

1836–40. Anatomie comparée. *See* CUVIER, G. L. C. F. D.

Duméril, *A. M. C., & G. L.* **Duvernoy.**

1800–5. Anatomie comparée. *See* CUVIER, G. L. C. F. D.

Duncan, *Peter Martin.*

1879. The Sea-shore. 8°. London & New York. [pp. 73, 137–139.]

Duperrey, *Louis Isidore.*

1830. Voyage sur "La Coquille." *See* LESSON, R. P.

Duvernoy, *Georges Lewis.*

1816. Ascidie. (In) Dict. Sci. nat. III, pp. 192–196. 8°. Paris.

1835–46. Anatomie comparée. *See* CUVIER, G. L. C. F. D.

E.

Eckstein, *K.*

1889. Repetitorium der Zoologie. 8°. Leipzig. [pp. 159–160, f. 142.]

1898. Repetitorium der Zoologie. Ed. 2. 8°. Leipzig. [pp. 66, 69, 124–127, 168, 178, 180, 183, 277–279, ff. 79, 185.]

Edwards, *George.*

1764. Gleanings of Natural History, . . . (Glanures d'Histoire naturelle, . . .) 3 parts. 4°. London, 1758–64. [3, p. 303, pl. 356 (*Priapus polype*).]

(Engl. and Fr. in parallel cols.; pt. 3 transl. into French by E. Barker.)

Edwards, *Henri Milne.*

1828–32. Recherches aux îles Chausey (1828). Recherches du Littoral de la France (1832). *See* AUDOUIN, J. V., & H. M. EDWARDS.

1834. Eléméns de Zoologie, . . . 8°. Paris. [pp. 836–838, f. 375 (Biphore).]

1837. Eléméns de Zoologie, . . . 8°. Bruxelles. [pp. 454–455, pl. xxxii, f. 365 (*Salpa*).]

1839. Sur la circulation du sang chez les Pyrosomes. *Ann. Sci. nat.* (2) Zool. XII, p. 375.

Edwards, *H. M.*

1840. La circulation du sang chez les Pyrosomes. *Compt. rend. Acad. Sci.* X, pp. 284–285.

1841. On the circulation of the blood in *Pyrosoma*. *Micros. Jrn.* 1841, pp. 45–46.

1840. Observations sur les Ascidies composées des côtes de la Manche. *Ann. Sci. nat.* (2) Zool. XIII, pp. 76–79.

1841. *Arch. Naturg.* VII, II, p. 280.

1840. Sur l'existence d'un système nerveaux ches les *Salpa*, sur le système circulatoire de ces animaux, et sur la manière dont s'exécute la circulation dans le *Beroe ovatus*. *Compt. rend. Acad. Sci.* X, p. 408.

1840. Zoological Notices . . . by H. M. Edwards & — Peters. *Edin. new Philos. Jrn.* XXIX, pp. 167–171. [pp. 168–169 (*Pyrosoma* and *Salpa*, by Edwards).]

1841. Organisation des Zoophytes et des Mollusques. *Bull. Soc. philom. Paris*, 1841, pp. 1–2. [p. 2.]

1841. Observations sur les Ascidies composées des côtes de la Manche. 110 pp., 8 pls. 4°. Paris. (And) 1842. *Mém. Acad. Sci. France*, XVIII, pp. 217–326, pls. i–viii.

1842. *Arch. Naturg.* VIII, II, pp. 404–406.

1842. Aplidie. (In) Dict. univ. d'Hist. nat. II, pp. 210–211. 8°. Paris.

1843. Eléméns de Zoologie. Ed. 2. Animaux sans Vertèbres. 8°. Paris. [pp. 313–316, ff. 833, 834 (*Salpa* and *Pyrosoma*).]

1844. Recherches zoologiques faites pendant un voyage en Sicile. *Compt. rend. Acad. Sci.* pp. 1137–1141. [pp. 1140–1141.]

1845. Observations et expériences sur la circulation chez les Mollusques. *Mém. Acad. Sci. France*, XX, pp. 443–483, 7 pls. [pp. 443–446 *et passim*.]

1855. Zoologie. (In) Cours élémentaire d'Histoire naturelle. ed. 7. 8°. Paris. [pp. 560–562.]

(Ed. 1, 1841; ed. 12, 1867.)

1856. A Manual of Zoology. Transl. by R. Knox. 8°. London. [pp. 211, f. 157 (p. 209); 476–481, f. 465.]

1863. A Manual of Zoology. Transl. by R. Knox. Ed. 2 . . . by C. Carter Blake. 8°. London. [pp. 222, f. 180 (p. 219); 522–525, f. 551.]

Edwards, *H. M.*, & — Valenciennes.

1849. Nouvelles Observations sur la constitution de l'appareil de la circulation chez les Mollusques. *Mém. Acad. Sci. France*, XX, pp. 485–496. [p. 486.]

Ehlers, *Ernst Heinrich.*

1860–61. Anatomie von *Doliolum* (1860). *Doliolum* und *Pyrosoma* (1861). *See* KEFERSTEIN, W., & E. H. EHLERS.

1873. Zur Kenntniss der Fauna von Nowaja-Semlja. *Sitzber. Soc. Erlangen,* V, pp. 7–12. [p. 7 (3 sps.).]

Ehrenberg, *Christian Gottfried.*

1828. Zoologica. (In) Symbolæ Physicæ, . . . 4 vols. fol. Berolini, 1828–45. [I, Præfatio, fol. 3 (*Rhodosoma verecundum*).]

1835. Das Leuchten des Meeres. *Abh. Akad. Wiss. Berlin,* 1834 (1836), pp. 411–575, 3 tables, 2 pls. [pp. 443–563 *passim;* table II (24 sps.).] (And separately) 4°. Berlin. [pp. 35–155 *passim,* table II.]

Eichwald, *Carl Eduard von.*

1829. Zoologia specialis . . . 3 vols. 8°. Vilnæ, 1829–31. [I, pp. 263–267 *passim* ; 267–270.]

Eisen, *August Gustav.*

1874. *Vexillaria speciosa,* n. sp., ett bidrag till Appendicularіornas anatomi. *Svenska Vet.-Akad. Handl.* (N. F.) XII (1875), 9, 15 pp., 3 pls.

Ellis, *John.*

1755. An Essay towards a Natural History of the Corallines, . . . of Great Britain and Ireland. 4°. London. [pp. 82–83, pl. xvii, ff. *b,* B. C. D.]

1756. Essai sur l'Histoire naturelle des Corallines . . . de la Grande-Bretagne et d'Irlande; . . . (Transl.) 4°. La Haye. [p. 97, pl. xvii, ff. *b,* B, C, D.]

1767. Herrn J. Ellis . . . Versuch einer Naturgeschichte des Corall-Arten . . . von D. J. G. Krüniz. 4°. Nürnberg. [pp. 89–90, pl. xvii, ff. *b.* B. C. D; 123–124, pl. xxxviiii.]

1786. Natural History of Zoophytes. *See* SOLANDER, D.

Embleton, *Alice M.*

1902. Tunicata. *Zool. Record,* 1901 (XXXVIII), 5 pp.

Enriques, *Paulo.*

1904. Della circolazione sanguigna nei Tunicati (*Ciona intestinalis*). *Arch. zool. Ital.* II (1906), 1, pp. 11–17.

Eschricht, *Daniel Frederik.*

1839. Hovedresultaterne af sine undersögelser over Salperne. *Overs. Danske Vid. Selsk. Forh.* 1839, pp. 15–19.

Eschricht, *D. F.*

1840. Anatomisk-physiologiske Undersögelser over Salperne. *Dansk. Vid. Selsk. Skrift.* VIII, pp. 297–392, 6 pls.

1841–43. Anatomische-physiologische Untersuchungen über die Salpen. *Arch. Anat. Physiol.* 1841, pp. 42–45. (And) *Isis*, 1842, cols. 467–470, pls. ii (*infra*), iii; 1843, cols. 761–789.

1840. Beobachtungen über *Salpa cordiformis*. *Nat. Tidsskrift*, III, p. 233.

1840. Over *Salpa cordiformis*. *Förh. Skand. Naturf.* I, pp. 131–132.

1841. Om *Salpa cordiformis*. *Isis*, 1841, cols. 705–706.

1841. Anatomisk Beskrivelse af *Chelysoma Macleaynum*. *Dansk. Vid. Selsk. Skrift.* IX, pp. 1–16, 1 pl.

Eschscholtz, *Johan Friedrich von.*

1822. Einige Beobachtunge und Ansichte über Salpen. *Isis*, 1822, cols. 60–61.

1825. Bericht über die zoologische Ausbeute während der Reise von Kronstadt. *Isis*, 1825, cols. 734–747. [col. 736 (*Appendicularia*).]

Eschscholtz, *J. F., & Heinrich* **Rathke.**

1835. Beschreibung der *Anchinia*, einer neuen Gattung der Mollusken. *Mém. Acad. Sci. St. Pétersb.* II, pp. 177–179.

1835. *Anchinia Savigniana*. *Arch. Naturg.* I, pp. 85–86.

Esper, *Eugenius Johann Christoph.*

1826. Die Pflanzenthiere in Abbildungen nach der Natur mit Farben erleuchtet nebst Beschreibungen. 3 Theil. 4°. Nurnburg, 1788–1830. [III, pp. 25–30, 32–38, 63–66, pls. vi, viii, xx; xxv, ff. 4–6.]

Esterly, *C. O.*

1903. Polarization in Ascidian Heart. *See* Bancroft, F. W., & C. O. Esterly.

Evans, *William.*

1909. Our present knowledge of the Fauna of the Forth Area. *Proc. R. Phys. Soc. Edinb.* XVII, pp. 1–64 *d*. [pp. 56, 64 *e*.]

Eysenhardt, *Carl Wilhelm.*

1821. De Animalibus e classe Vermium. *See* Chamisso, A. von, & C. W. Eysenhardt.

1823. Ueber einige merkwürdige Lebenserscheinungen an Ascidien. *Nova Acta Acad. Leop.-Car.* XI, 2, pp. 249–272, pls. xxxvi, xxxvii.

1824. Sur quelques phénomènes vitaux des Ascidies. *Bull. Sci. nat. géol.* III, p. 317.

Eyton, *Thomas Campbell.*

1852. Some Account of a Dredging Expedition off the coast of the Isle of Man . . . 1852. *Ann. Nat. Hist.* (2) X, pp. 434–436. [p. 436 (6 sps.).]

F.

Faber, *G. L.*

1883. The Fisheries of the Adriatic . . . 4°. London. [pp. 90–91 (*Cynthia microcosmus*).]

Fabricius, *Otto.*

1780. Fauna Groenlandica, . . . 8°. Hafniæ & Lipsiæ. [pp. 330–334.]

Farman, *George P.*

1910. *Pyrosoma spinosum*, Herdman. *Mem. Challenger Soc.* I, pp. 220–244, pls. vi, vii.

Farran, *G. P.*

1906. On the distribution of the Thaliacea and *Pyrosoma* in Irish waters. *Rep. Fisheries Ireland*, 1906, II, Appx. 1, pp. 1–17, 2 figs. [8 sps.]

1907. *Zool. Zentralbl.* XIV, p. 182.

Fauvel, *Pierre.*

1896. [Animaux recuillis à St. Vaast-la-Hougue.] *Bull. Soc. Linn. Normandie*, (4) IX, 2, pp. lxv–lxvii. [p. lxv (5 sps.).]

Fechner, *Paul.*

1907. Beiträge zur Kenntnis der Kiemenspaltenbildung der Ascidien. *Zeitschr. wiss. Zool.* LXXXVI, 4, pp. 523–556, pls. xxv, xxvi, 2 text-figs.

1908. Gill-slit formation in Ascidians. *Jrn. R. Micr. Soc.* 1908, p. 34.

1908. *Zool. Jahresb.* 1907, Tunicata, p. 3.

Fernandez, *Miguel.*

1904. Zur mikroskopischen Anatomie des Blutgefässsystems der Tunikaten. *Jena. Zeitschr. Naturw.* XXXIX, pp. 323–422, pls. xv–xviii, 12 text-figs.

1905. Tunicate blood-system. *Jrn. R. Micr. Soc.* 1905, p. 430.

1905. *Zool. Jahresb.* 1904, Tunicata, pp. 11–12.

1906. Zur Kenntnis des Pericardkörpers einiger Ascidien. *Jena. Zeitschr. Naturw.* XLI, pp. 1–18, pl. i.

1907. *Zool. Jahresb.* 1906, Tunicata, p. 3.

1907. Ueber zwei Organe junger Kettensalpen. *Zool. Anzeig.* XXXII, pp. 321–328, 6 figs.

1908. Structure of *Salpa*. *Jrn. R. Micr. Soc.* 1908, p. 35.

1908. *Zool. Jahresb.* 1907, Tunicata, p. 5.

FERNANDEZ, *M.*

1909. Beiträge zur Embryologie der Gurteltiere. I. *Morphol. Jahrb.* XXXIX, 2, pp. 302–333, pls. xvii–xx, 3 text-figs. [p. 327.]

Férussac, *André Étienne Justin Pascal Joseph Françoise d'Audebard de.*

1821. Tableaux systématiques des Animaux mollusques classés en familles naturelles. fol. Paris. [pp. xlvi–xlvii.]

1822. Ascidie, Botryllaires, Botrylle. (In) Dict. classique d'Hist. nat. II, pp. 8, 419–422. 8°. Paris.

Férussac, *A. d'A. de, & Alcide Dessalines d'***Orbigny.**

1834. Histoire naturelle générale et particulière des Céphalopodes Acétabulifères vivants et fossiles. 4°. Paris. [p. 39.]

Férussac, *Jean Baptiste Louis d'Audebard de.*

1819. Histoire naturelle, générale, et particulière des Mollusques terrestres et fluviatile . . . 2 vols., and Atlas, 2 vols. fol. Paris, 1819–51. [p. xvii.]

Fewkes, *Jesse Walter.*

1888. On Arctic characters of the Surface Fauna of the Bay of Fundy, and the connection with a theory of Floating Marine Life. *Amer. Naturalist,* XXII, pp. 601–612. [p. 605.]

1889. New Invertebrata from the Coast of California. *Bull. Essex Inst.* XXI, pp. 99–146, 9 pls., 1 text-fig. [pp. 134–135, pl. not numbered (*Clavellinopsis*).]

Fiedler, *Karl.*

1889. *Heterotrema sarasinorum,* eine neue Synascidiengattung aus der Familie der Distomidæ. *Zool. Jahrb.* Syst. IV, pp. 859–878, pl. xxv.

1890. *Heterotrema saracinorum. Jrn. R. Micr. Soc.* 1890, p. 25.

Fischel, *Alfred.*

1898. Experimentelle Untersuchungen am Ctenophorenei. *Arch. Entwick. Org.* VI, 1, pp. 109–131, pl. vi; VII, pp. 557–630, pls. xiii–xiv, 2 text-figs. [p. 618.]

1900. Recherches experimentales sur l'œuf des Cténophores. *Année biol.* IV, pp. 176–178. [p. 177.]

1903. Entwickelung und Organ-Differenzierung. *Arch. Entwick. Org.* XV, 4, pp. 679–750, 21 figs. [p. 728.]

1905. Dévellopment et différenciation des organes. *Année biol.* VIII, pp. 86–90. [p. 89.]

Fischer, *Paul Henri.*

1875. Synascidies du département de la Gironde et des Côtes du sud-ouest de la France. *Act. Soc. Linn. Bordeaux*, XXX (1876), pp. 545–553 (23 sps.).

1880. Manuel de Conchyliologie et de Paléontologie conchyliogique . . . 8°. Paris, 1880–87. [pp. 5–6, ff. 1, 2.]

Fleming, *John.*

1811. *Ascidia.* (In) Edinburgh Encyclopædia, II, 2, pp. 543–545. 4°. Edinburgh.

1820. Mollusca. (In) Edinburgh Encyclopædia, XIV, 2, pp. 598–635. 4°. Edinburgh. [pp. 630–631.]

1822. The Philosophy of Zoology; . . . 2 vols. 8°. Edinburgh & London. [II, pp. 508–518.]

1823. Gleanings in Natural History, gathered on the Coast of Scotland during a voyage in 1821. *Edinb. Philos. Jrn.* VIII, pp. 294–303. [p. 301 (4 sps.).] IX, pp. 248–254. [p. 248 (1 sp.).]

1824. Mollusca. (In) Supplement to the 4th, 5th, and 6th editions of the Encyclopædia Britannica, V, pp. 566–584. 4°. Edinburgh. [pp. 581–584.]

1828. A History of British Animals, . . . 8°. Edinburgh. [pp. 467–471.]

(Re-issued in 1842.)

1837. Mollusca. (In) Encyclopædia Britannica. Ed. 7. XV, pp. 324–378, 7 pls. 4°. Edinburgh, (dated) 1842. [pp. 367–371, pl. vii.]

1837. Molluscous Animals, . . . 12°. Edinburgh. [pp. 198–216, pls. xvi–xviii, ff. 57–64.]

(The article Mollusca in 7th ed. of the Encyclopædia Britannica.)

Flemming, *W.*

1889. Das Ei von *Ascidia canina*. *Anat. Anzeig.* IV, Suppl. (*Verh. anat. Ges.*), pp. 13–14.

1892. Ueber Unsichtbarkeit lebendiger Kernstrukturen. *Anat. Anzeig.* VII, pp. 758–764. [p. 762.]

Floderus, *Oscar Matts.*

1896. Ueber die Bildung der Follikelhüllen bei den Ascidien. *Zeitschr. wiss. Zool.* LXI, pp. 163–260, pl. x.

1897. *Zool. Centralbl.* IV, pp. 459–462, 921–923.

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 7–8.

1898. Sur la formation des membranes folliculaires chez les Ascidies. *Année biol.* II, pp. 94–95.

Fol, *Alice.*

1908. Note sur la Régénération de la Tunique chez les Tuniciers. *Bull. Soc. zool. France,* XXXIII, pp. 79–81.

1908. Regeneration of Test in Tunicates. *Jrn. R. Micr. Soc.* 1908, p. 573.

1909. *Zool. Jahresb.* 1908, Tunicata, p. 6.

1910. *Arch. Naturg.* LXXVI, II, 3, pp. 4–5.

Fol, *Hermann.*

1872. Études sur les Appendiculaires du détroit de Messine. *Mém. Soc. Genève,* XXI, 2, pp. 445–499, pls. i–xi. (Also sep.) 55 pp., 11 pls. 4°. Bale, 1873. [11 new sps.]

1872. *Arch. Zool. expér.* I, pp. lvii–lix.

1874. *Zool. Record,* IX, pp. 182–183.

1874. Note sur un nouveau genre d'Appendicularies. *Arch. Zool. expér.* III, pp. xlix–liii, pl. xviii, ff. 1–5.

1874. Note sur l'Endostyle et la signification physiologique. *Arch. Zool. expér.* III, pp. liii–lv.

1875. Note sur l'origine première des produits sexuels. *Arch. Sci. phys. nat.* LIII, pp. 104–111. [p. 110.]

1875. Ueber die Schleimdrüse oder den Endostyl der Tunicaten. *Morphol. Jahrb.* I (1876), 2, pp. 222–242, pl. vii.

1877. Sur la formation des Œufs chez les Ascidies. *Jrn. Microgr.* I, pp. 281–284, pl. ii, ff. 5–8 (*Phallusia intestinalis*).

1877. *Arch. Sci. phys. nat.* LX, p. 337.

1880–83. Tunicata. *Zool. Jahresb.* 1879, 2, pp. 801–802 (1880). 1880, 3, 3 pp. (1881). 1881, 3, 3 pp. (1882). 1882, 3, 16 pp. (1883).

1883. Sur l'Œuf et ses enveloppes chez les Tuniciers. *Rec. Zool. Suisse,* I (1884), 1, pp. 91–160, pls. vii, viii.

1884. Egg and egg-membranes of Tunicata. *Jrn. R. Micr. Soc.* (2) IV, pp. 213–214.

1884. *Zool. Jahresb.* 1883, IV, pp. 3, 14, 17.

1883. Sur l'origine des cellules du follicule et de l'ovule chez les Ascidies et chez d'autres Animaux. *Compt. rend. Acad. Sci.* XCVI, pp. 1591–1594.

1884. *Zool. Jahresb.* 1883, IV, p. 7.

1887. *Arch. Naturg.* LI, II, pp. 121–122.

1884. Remarque supplémentaire à mon mémoire sur l'origine de l'ovule chez les Tuniciers. *Rec. Zool. Suisse,* I, 2, pp. 317–318.

1896. Lehrbuch der vergleichenden mikroskopischen Anatomie . . . 2 Lief. 8°. Leipzig, 1884–1896. [2, pp. 222–402 *passim,* ff. 116–118, 170, 171, 202, 203.]

Foot, *Katherine.*

1905. Eggs of *Cynthia partita.* *See* Conklin, E. G.

Forbes, *Edward.*

1838. Malacologia Monensis. A Catalogue of the Mollusca inhabiting the Isle of Man and the neighbouring sea. 8°. Edinburgh. [pp. 57–58 (5 sps.).]

1851. Report on the Investigation of British Marine Zoology by means of the Dredge. Part I. The Infra-littoral Distribution of Marine Invertebrata on the Southern, Western, and Northern Coasts of Great Britain. *Rep. Brit. Assoc.* 1850, pp. 192–263. [pp. 196–219, 241–242, 252 (17 sps.).]

Forbes, *E., & Robert A. C.* **Godwin-Austen.**

1859. The Natural History of the European Seas. 8°. London. [pp. 40, 68, 87, 158–159 (6 sps.).]

Forbes, *E., & John* **Goodsir.**

1840. Notice of Zoological Researches in Orkney and Shetland during the month of June 1839. *Rep. Brit. Assoc.* 1839, Sect. pp. 79–82. [p. 80 (4 sps.).]

1841. On *Pelonaia,* a new genus of Ascidian Mollusca. *Rep. Brit. Assoc.* 1840, Sect. pp. 137–139.

1841. On *Pelonaia,* a new genus of Tunicated Mollusks, with descriptions of two species. *Edinb. New Philos. Jrn.* XXXI, pp. 29–34, pl. i.

1840. *Pelonaia,* eine neue Zu der Ascidien. *Neue Notizen,* XVI, pp. 136–137.

1841. Sur un nouveau genre d'Ascidiens. *Institut,* IX, p. 182.

1851. On some remarkable Marine Invertebrata new to the British Seas. *Trans. Roy. Soc. Edinb.* XX, 2, pp. 307–315. [pp. 307–309, pl. ix (*Syntethys hebridicus*).]

Forbes, *E., & Sylvanus C. T.* **Hanley.**

1848–52. A History of British Mollusca, and their Shells. 4 vols. 8°. London, 1848–53. [I (1848), pp. 1–54, pls. A–E; II (1849), pp. 369–376; IV (1852), pp. 244–246.]

1849. *Arch. Natury.* XV. II, p. 106. [List of new sps. in Vol. I.]

Forskål, *Pehr.*

1775. Descriptiones Animalium: Avium, Amphibiorum, Piscium, Insectorum, Vermium; quæ in itinere Orientali observavit P. Forskål. Ed. C. Niebuhr. 4°. Hauniæ. [pp. 112–117 (*Salpa*), 129–130 (*Alcyonium*).]

1776. Icones rerum naturalium quæ in itinere Orientali depingi curavit P. Forskål. Ed. C. Niebuhr. 4°. Hauniæ. [pp. 9, 11–12, 14, pls. xxvii, xxxv, xxxvi, xliii.]

Foster, *Michael.*

1870. The Kinship of Ascidians and Vertebrates. [An exposition of the views of Kowalevsky.] *Qrt. Jrn. Micr. Sci.* (N. S.) X, pp. 59–69, ff. 1–6.

Fowler, *George Herbert.*

1897. Contributions to our knowledge of the Plankton of the Faeroë Channel, No. 1. *Proc. Zool. Soc. Lond.* 1896, 4, pp. 991–996, pl. 1. [pp. 994–996, pl. 1, ff. 5–8 (*Salpa asymmetrica*).]

1898. Contributions to our knowledge of the Plankton of the Faeroë Channel, No. 6. *Proc. Zool. Soc. Lond.* 1898, 3, pp. 567–585. [pp. 580–583 (*Doliolum tritonis*).]

1905. Biskayan Plankton collected during a cruise of H.M.S. 'Research,' 1900. Pt. iv. The Thaliacea. *Trans. Linn. Soc. Lond.* (2) Zool. X, 4, pp. 89–101, pls. viii, ix.

Franchimont, —.

1879. Sur la cellulose animale ou Tunicine. *Compt. rend. Acad. Sci.* LXXXIX, pp. 755–756.

Fredericq, *Léon.*

1889. La Lutte pour l'existence chez les Animaux Marins. 8°. Paris. [pp. 272–273, f. 37 (*Clavelina lepadiformis*).]

Frédol, *Alfred.* (pseudonym.)

1866. Monde de la Mer. *See* Moquin-Tandon, C. H. B. A.

Freminville, *Christophe Paulin de la Poix de.*

1830. Observations zoologiques faites pendant un voyage sur les côtes d'Afrique et du Brésil. *Ann. Sci. Nat.* XXI, pp. 101–104. [p. 101 (Biphore).]

Frenzel, *Johannes.*

1885. Ueber einige in Seethieren lebende Gregarinen. *Arch. mikr. Anat.* XXIV, 4, pp. 545–588, pls. xxv, xxvi. [pp. 557–559, 565–572, pls. xxv, ff. 18–23, and xxvi, ff. 35–45 (*Ciona* and *Salpa*).]

Frey, *Heinrich, & Rudolph* **Leuckart.**

1847. Lehrbuch der Anatomie der wirbellosen Thiere. 8°. Leipzig. [pp. 467–494 *passim*.]

Freycinet, *Louis Claude Desaulses de.*

1824. Voyage autour du Monde. *See* Quoy, J. R. C.

Froehlich, *Alfred.*

1903. Beitrag zur Frage der Bedeutung des Centralganglions bei *Ciona intestinalis*. *Arch. ges. Physiol.* XCV, pp. 609–615.

Froriep, *August.*

1906. Ueber die Herleitung des Wirbeltierauges vom Auge der Ascidienlarve. *Anat. Anzeig.* XXIX, Suppl. pp. 145–151, 2 figs.

1907. *Zool. Jahresb.* 1906, Tunicata, p. 3.

1906. Ueber den Ursprung des Wirbeltierauges. *Münch. medizin. Wochenschr.* LIII, 2, pp. 1739–1742. [pp. 1740–1742.]

Fuerbringer, *Max.*

1903. Carl Gegenbaur. *Anat. Anzeig.* XXIII, pp. 589–608, 1 fig. [pp. 591, 592, 600.]

Fuerst, *E.*

1896. Javas wirbellosen Thiere. *Naturw. Woch.* 1896, pp. 329–336. [p. 336 (Salpen).]

Fuerth, *Otto von.*

1902. Vergleichende chemische Physiologie der niederen Tiere. 8°. Jena, (dated 1903). [pp. 98–101, 117, 287–288, 467–471.]

Fulton, *T. Wemys.*

1896. The . . . Oyster Beds in the Firth of Forth. *Rep. Fish. Board Scotl.* XIV, 3, pp. 244–293, pls. x, xi. [p. 278.]

1897. Report of the Trawling Experiments of the "Garland," and on the Statistics of East Coast Fisheries relating thereto. *Rep. Fish. Board Scotl.* XV, 3, pp. 17–106. [pp. 70–88 *passim.*]

G.

Gadeau de Kerville, *Henri.*

1894. Recherches sur les faunes marine et maritime de la Normandie, 1^re^ voyage. *Bull. Soc. Sci. nat. Rouen,* XXX, pp. 53–126, pls. i–vi. [pp. 112–113 (7 sps.).]

1899. *Arch. Naturg.* LX, II, 3, p. 53.

1901. Recherches sur les faunes marine et maritime de la Normandie, 3^e^ voyage. *Bull. Soc. Sci. nat. Rouen,* XXXVI, pp. 143–230, pl. ii (map), 2 figs. [pp. 219–220 (5 sps.).]

Gaertner, *Carl Friedrich von.*

1774. Spicilegia Zoologica. *See* Pallas, P. S.

Gaimard, *Paul.*

1825–34. *See* Quoy, J. R. C., & P. Gaimard.

Galloway, *W. H.*

1909. A summer's dredging in Belfast Lough. *Proc. Belfast Nat. Field Club,* (2) VI, 2, pp. 179–181. [p. 180.]

Galton, *John Charles.*

1869. The Structure and Affinities of the Sea-Squirts (Tunicata). *Pop. Sci. Review,* VIII, pp. 240–251, pl. xlvii.

Gamble, *Frederick William.*

1896. Notes on a Zoological Expedition to Valencia Island, Co. Kerry. Shore-collecting and dredging. *Irish Naturalist,* V, pp. 129–136. [p. 134 (*Ascidiella aspersa*).]

Ganin, *Mitrofan.*

1870. [Observations on the development of *Didemnum* and *Botryllus*]. (In Russian.) *Progr. Univ. Warschau,* 1870, 4, 66 pp., 9 pls.

1870. Neue Thatsachen aus der Entwickelungsgeschichte der Ascidien. *Zeitschr. wiss. Zool.* XX, 4, pp. 512–518.

1871. *Zool. Record,* VII, p. 184, 185–186.

Garbowski, *Thaddæus.*

1903. Morphogenetische Studien. Als Beitrag zur Methodologie zoologischer Forschung. 4°. Jena. [pp. 125–126.]

Gardiner, *John Stanley.*

1904. Notes and observations on the distribution of the Larvæ of Marine Animals. *Ann. Nat. Hist.* (7) XIV, pp. 403–410. [p. 406.]

1906. Notes on the distribution of the Land and Marine Animals, . . . (In) The Fauna and Geography of the Maldive and Laccadive Archipelagoes. II. Suppl. 2, pp. 1046–1057. [p. 1047.]

Garner, *Robert.*

1835. On the Nervous System of Molluscous Animals. *Trans. Linn. Soc. Lond.* XVII (1837), pp. 485–501, pls. xxiv–xxvi. [pp. 485–486, pl. xxiv, f. 1 (*Ciona intestinalis*).]

1838. On the Anatomy of the Lamellibranchiate Conchifera. *Trans. Zool. Soc. Lond.* II (1841), 2, pp. 87–102, pls. xviii–xx. [pp. 87, 91–92, 96.]

1838–39. On the Anatomy of the Lamellibranchiate Conchiferous Animals. *Mag. Nat. Hist.* (N. S.) II (1838), pp. 578–583. [p. 579.] III (1839), pp. 123–139, 164–171, 294–304. [pp. 126, 170, 296, 299.]

1845. Du système nerveux des Animaux Mollusques. (Transl.) *Bibl. Conchyl.* (2) I, pp. 365–376, pls. xxxvi–xxxviii. [pp. 365–366, pl. xxxvi, f. 2.]

1877. Malacological Notes. *Ann. Nat. Hist.* (4) XIX, pp. 357–380. [pp. 360–363, 375.]

MARINE BIOLOGICAL LABORATORY WOODS HOLE LIBRARY

Garstang, *Walter.*

1891. Note on a new and primitive type of Compound Ascidians. *Ann. Nat. Hist.* (6) VIII, pp. 265–268, 2 figs. (And) *Zool. Anzeig.* XIV, pp. 422–424, 2 figs. [*Archidistoma aggregatum.*]

1895. *Arch. Naturg.* LVIII, II, 3, p. 14.
1893. *Zool. Jahresb.* 1891, Tunicata, p. 3.

1891. Report on the Tunicata of Plymouth. *Jrn. Marine Biol. Assoc.* (N. S.) II, 1, pp. 47–67, pl. ii.

1895. *Arch. Naturg.* LVIII, II, 3, pp. 14–15.

1891. On some Ascidians from the Isle of Wight, a study in variation and nomenclature. *Jrn. Marine Biol. Assoc.* (N. S.) II, 2, pp. 119–140, pls. vi, vii.

1892. An attempt to elucidate the real structure and relations of Moss's Polystigmatic Appendicularian. *Trans. Liverp. Biol. Soc.* VI, pp. 57–69, pl. v.

1893. *Zool. Jahresb.* 1891, Tunicata, pp. 3–4.
1895. *Arch. Naturg.* LVIII, II, 3, p. 2.

1892. On the development of the Stigmata in Ascidians. *Proc. Roy. Soc. Lond.* LI, pp. 505–513.

1893. *Zool. Jahresb.* 1892, Tunicata, p. 8.
1897. *Arch. Naturg.* LIX, II, 3, p. 12.

1893. Note on Salensky's account of the development of the Stigmata in *Pyrosoma. Trans. Liverp. Biol. Soc.* VII, pp. 245–247.

1894. Faunistic notes at Plymouth during 1893–4. *Jrn. Marine Biol. Assoc.* (N. S.) III, pp. 210–235. [pp. 222, 228–229, 232, 234.]

1899. *Arch. Naturg.* LX, II, 3, p. 39.

1894. Preliminary Note on a new theory of the Phylogeny of the Chordata. *Zool. Anzeig.* XVII, pp. 122–125. [p. 124.]

1895. Budding in Tunicata. *Sci. Progress,* III, pp. 43–67.

1896. *Zool. Centralbl.* III, pp. 534–536.
1897. Le bourgeonnement chez les Tuniciers. *Année biol.* I, pp. 140–141.
1899. *Arch. Naturg.* LX, II, 3, p. 16.

1895. On some modifications of the Tunicate Pharynx induced by the violent ejection of water. *Jrn. Oxford Univ. Club,* 1894, 3 pp.

1895. Report on the Tunicata of Plymouth. (Reprint.) *Stud. Biol. Owens Coll.* III, pp. 58–81, pl. ii.

1895. On some Ascidians from the Isle of Wight. (Reprint.) *Stud. Biol. Owens Coll.* III, pp. 129–154.

GARSTANG, W.

1896. Outlines of a new classification of the Tunicata. *Rep. Brit. Assoc.* 1895, pp. 718–719.

1899. *Arch. Natury.* LX, II, 3, pp. 43–44.

1896. The Sea-squirts or Ascidians. (In) The Royal Natural History. 6 vols. 8°. London & New York, 1893–96. [V, pp. 561–572, 9 figs.]

1897. Protochorda. (In) The Concise Knowledge Natural History. pp. 526–528. 8°. London. [pp. 527–528, ff. 2–6.]

1900. Marine Zoology. (In) Victoria History of Hampshire and the Isle of Wight. I, pp. 89–102. 8°. London. [pp. 90, 101–102 (10 sps.).]

1901. Marine Zoology. (In) Victoria History of the County of Norfolk. I, pp. 77–86. 8°. London. [p. 86 (5 sps.).]

Garstang, *W., & Henry Clifton* **Sorby.**

1903. Marine Zoology. (In) Victoria History of the County of Essex. I, pp. 69–88. 8°. London. [pp. 73, 74, 87–88 (17 sps.).]

Gaskell, *Walter Holbrook.*

1899. On the origin of Vertebrates, deduced from the study of *Ammocœtes*. *Jrn. Anat. Physiol.* XXXIII, pp. 638–671, pl. xlv, 15 text-figs. [pp. 644–645, 665.]

1908. The Origin of Vertebrates. 8°. London. [*See* Tunicata, in Index.]

Gaver, *F. van, & P.* **Stephan.**

1907. Sur la nature du corps flottant du péricarde de certaines Ascidies. *Compt. rend. Soc. Biol.* LXII, pp. 554–555. (And) *Réun. biol. Marseille,* 1907, pp. 12–13.

1907. *Cardiosporidium cionæ,* sporozaire nouveau parasite du corps péricardique de *Ciona intestinalis*. *Compt. rend. Soc. Biol.* LXII, pp. 556–557. (And) *Réun. biol. Marseille,* 1907, pp. 14–15.

1907. Sporozoon Parasite of *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1907, p. 563.

1908. *Zool. Jahresb.* 1907, Tunicata, p. 4. [Above two memoirs.]

1910. *Arch. Naturg.* LXXIV, II, 3, pp. 3–4.

Gay, *Claude.*

1834. Historia de Chile. *See* HUPÉ, L. H.

Gegenbaur, *Carl.*

1853. Bemerkungen über *Pilidium gyrans, Actinotrocha branchiata,* und *Appendicularia*. *Zeitschr. wiss. Zool.* V (1854), 3, pp. 345–352. [pp. 350–352 (*Appendicularia*).]

GEGENBAUR, *C.*

1853. Entwicklung von *Doliolum*. *See* KOELLIKER, A., & C. GEGENBAUR.

1853. Ueber die Entwickelung von *Doliolum*, der Scheibenquallen, und von *Sagitta*. Brieft. Mittheilung an A. Kölliker. *Zeitschr. wiss. Zool.* V (1854), 1, pp. 13–16, pl. i. [pp. 13–15, pl. i, ff. 7–9.]

1855. Bemerkungen über die Organisation der Appendicularien. *Zeitschr. wiss. Zool.* VI, 4, pp. 406–427, pl. xvi.

1855. Ueber den Entwicklungscyclus von *Doliolum*, nebst Bemerkungen über die Larven dieser Thiere. *Zeitschr. wiss. Zool.* VII (1856), 2, pp. 283–314, pls. xiv–xvi.

1859. Grundzüge der vergleichenden Anatomie. 8°. Leipzig. [pp. 303–374 *passim*, ff. 75, 91, 94, 100.]

1862. Ueber *Didemnum gelatinosum*, M. Ed. Ein Beitrag zur Entwickelungsgeschichte der Ascidien. *Arch. Anat. Physiol.* pp. 149–168, pl. iv.

1870. Grundzüge der vergleichenden Anatomie. Ed. 2. 8°. Leipzig. [pp. 158–281 *passim*, ff. 53, 61, 62, 64.]

1874. Manuel d'Anatomie comparée. Tradnit . . . Carl Vogt. 8°. Paris. [pp. 148–262 *passim*.]

1878. Elements of Comparative Anatomy. Tunicata transl. by E. Ray Lankester. 8°. London. [pp. 388–407, ff. 206–213.]

1878. Grundriss der vergleichenden Anatomie. Ed. 2. 8°. Leipzig. [pp. 410–429, ff. 206–213.]

(Ed. 1 in 1874.)

Gerber, *Charles, & G.* **Daumézon.**

1909. La présure des Ascidiés. *Compt. rend. Soc. Biol.* LXVI, pp. 193–195.

1909. Relations entre la résistance des présures et la température des Organismes qui les sécrètent. *Compt. rend. Soc. Biol.* LXVI, pp. 196–197. [*Ciona intestinalis*.]

Gerstaecker, *Carl Edouard Adolph.*

1874 (c.). Handbuch der Zoologie. *See* CARUS, J. V., & G. E. A. GERSTAECKER.

Gervais, *Francois Louis Paul.*

1840. Ascidies. (In) Dict. Sci. nat., Suppl. I, p. 400. 8°. Paris & Strasbourg.

1842–47. (In) Dict. univ. d'Hist. nat. Ascidie, &c., II, pp. 205–209 (1842). Botrylle, &c., II, pp. 672–673 (1844). Cynthie, IV, p. 544 (1846). *Diazona*, IV, p. 734 (1846). *Didemnum*, V, p. 8 (1847). 8°. Paris.

GERVAIS, *F. L. P.*

1872. Développement des Ascidies. *Jrn. Zoologie,* I, pp. 187–192, pl. xii (*Ascidia canina*).

Gesner, *Conrad.*

1558. C. Gesneri . . . Historiæ Animalium Liber IIII. qui est de Piscium & Aquatilium animantium natura. fol. Tiguri. [pp. 892–894, figs. p. 892 (*Mentula marina* and *Mentula marina altera*); pp. 1143–1144, fig. p. 1143 (*Tethys*); p. 1248, fig. (*Uva marina*).]

Giard, *Alfred Mathieu.*

1872. Étude critique des traveaux d'embryogénie relatifs à la parenté des Vertébrés et des Tuniciers. *Arch. Zool. expér.* I, pp. 233–288, 397–428, pls. vii–ix.

1873. *Arch. Naturg.* XXXIX, II, pp. 215–217.
1874. *Zool. Record,* IX, pp. 179–180.

1872. Recherches sur les Ascidies composées ou Synascidies. *Arch. Zool. expér.* I, pp. 501–709, pls. xxi–xxx.

1873. *Arch. Naturg.* XXXIX, II, pp. 217–218.

1873. Contributions à l'histoire naturelle des Synascidies. *Arch. Zool. expér.* II, pp. 481–514, pl. xix.

1874. Bourgeonnement du *Perophera Listeri.* *See* KOWALEVSKY, A.

1874. Sur la structure de l'appendice caudal de certaines larves d'Ascidies. *Compt. rend. Acad. Sci.* LXXVIII, pp. 1860–1863.

1875. Note sur l'embryogénie des Tuniciers du groupe des Luciæ. *Compt. Rend. Acad. Sci.* LXXXI, pp. 1214–1216.

1876. Note on the Embryogeny of the Tunicata of the group Luciæ. *Ann. Nat. Hist.* (4) XVII, pp. 479–480.

1875. Note sur quelques points de l'embryogenie des Ascidies. I. Structure de l'appendice caudal de certaines larves d'Ascidies. II. Des formes embryonaires condensées chez les Ascidies. III. D'un criterium qui doit guider le zoologiste dans l'application du principe de Fritz Müller. *Compt. Rend. Assoc. Français,* III, pp. 432–458, pl. vi.

1876. Embryogénie des Ascidies (Extr.). *Compt. rend. Assoc. Français,* IV, pp. 799–800.

1881. Sur l'embryogénie des Ascidies du genre *Lithonephria.* *Compt. rend. Acad. Sci.* XCII, pp. 1350–1352.

1881. The Embryogeny of the Ascidians of the genus *Lithonephria.* (Transl.) *Ann. Nat. Hist.* (5) VIII, pp. 64–66.

1887. *Arch. Naturg.* LI, II, 3, pp. 122–123.

GIARD, *A. M.*

1886. Sur deux Synascidies nouvelles pour les côtes de France. *Compt. rend. Acad. Sci.* CIII, pp. 755–757. (*Diazona hebridica* and *Distaplia rosea.*)

1887. Synascidians new to the French Coast. *Jrn. R. Micr. Soc.* 1887, pp. 221–222.

1888. *Zool. Jahresb.* 1886, Tunicata, p. 4.

1887–98. (Numerous articles, with text-figs., in) Grande Encycl. 4°. Paris, 1885–1902. [See under names of genera.]

1888. Sur les *Nephromyces,* genre nouveau de Champignons parasites du rein des Molgulidées. *Compt. rend. Acad. Sci.* CVI, pp. 1180–1182.

1888. On *Nephromyces,* a new genus of Fungi parasitic in the kidney of the Molgulidæ. (Transl.) *Ann. Nat. Hist.* (6) I, pp. 386–388.

1893. *Arch. Naturg.* LVI, II, 3, p. 8.

1891. Sur le bourgeonnement des larves d'*Astellium spongiforme* Gd. et sur la Pœcilogénie chez les Ascidies composées. *Compt. rend. Acad. Sci.* CXII, pp. 301–304.

1894. Contribution à la faune du Pas-de-Calais et de la Manche. *Compt. rend. Soc. Biol.* (10) I, pp. 245–247. [p. 247 (*Ascidia mentula*).]

1896. Sur l'existence chez certains animaux d'un ferment blenissant la teinture alcoolique de gayac. *Compt. rend. Soc. Biol.* (10) III, p. 483. [*Botrylloides cyanescens* and *Ascidia fumigata.*]

1896. Y a-t-il antagonisme entre la "Greffe" et la "Régénération"? *Compt. rend. Soc. Biol.* (10) III, pp. 180–184. [p. 181.]

1898. Sur l'homologie des Thryoïdes latérales (corps post-branchiaux, Verdun) avec l'épicarde des Tuniciers. *Compt. rend. Soc. Biol.* (10) V, pp. 464–466.

1899. *Zool. Jahresb.* 1898, Tunicata, p. 2.

1900. Sur le déterminisme de la Métamorphose. *Compt. rend. Soc. Biol.* LII, pp. 131–134. [p. 133.]

1904. La Pœcilogonie. *Compt. rend. Congr. internat. Zool.* VI (Berne), pp. 617–646. [pp. 636–637.]

1908. *Arch. Naturg.* LXIX, II, 3, pp. 12–13.

Giard, *A. M.*, & *M.* Caullery.

1896. Sur l'hivernage de la *Clavelina lepadiformis,* Müller. *Compt. rend. Acad. Sci.* CXXIII, pp. 318–320.

Giard, *A. M.*, & *M.* Caullery.

1896. On the Hibernation of *Clavelina lepadiformis*, Müller. (Transl.) *Ann. Nat. Hist.* (6) XVIII, pp. 485–486.
1897. *Zool. Centralbl.* IV, pp. 204–205.
1897. *Zool. Jahresb.* 1896, Tunicata, pp. 8–9.

Giesbrecht, *Wilhelm.*

1882. Beiträge zur Kenntnis einiger Notodelphyiden. *Mitth. zool. Stat. Neapel,* III, 2, pp. 293–372, pls. xxii–xxiv. [pp. 293–298 *passim.*]

Giglioli, *Enrico Hillyer.*

1870. La Fosforescenza del Mare. (*Estr. Boll. Soc. Geogr. Ital.*, fasc. IV.) 8°. Firenze. [pp. 18–25 *passim.*]

Giglioli, *E. H., & Arturo* **Issel.**

1884. Pelagos. Saggi sulla vita e sui prodotti del Mare. 8°. Genova. [pp. 107–109, 113–114, 115 (Phosphorescence).]

Gill, *Theodore.*

1871. Arrangement of the Families of Mollusks. *Smithson. Misc. Collect.* 227. xvi + 49 pp. [pp. 23–24, 42.]

Ginanni, *Guiseppe.*

1755. Opere postume . . . 2 vols. fol. Venezia, 1755–57. [I, pp. 28–29, pl. xxxiv.]

Girard, *Charles Frédéric.*

1851. On the organs of vision and the nervous system in the embryo of *Ascidia*. *Proc. Boston Soc. Nat. Hist.* IV, pp. 30–31.

Gistel, *Johannes von Nepomuk Franz Xavier.*

1848. Naturgeschichte des Thierreichs für höhere Schulen. fol. Stuttgart. [pp. viii, ix, 174.]
(*Ibid.* in 2nd ed. 1851.)

Gmelin, *Johann Friedrich.*

1791. Linné's Systema Naturæ, ed. 13. *See* Linnæus, C.

Godwin-Austen, *Robert Alfred Cloyne.*

1859. Natural History of European Seas. *See* Forbes, E., & R. A. C. Godwin-Austen.

Goeppert, *Ernst.*

1892. Untersuchungen über das Sehorgan der Salpen. *Morphol. Jahrb.* XIX, 2, pp. 250–294, pls. viii–x, 1 text-fig.
1893. *Zool. Jahresb.* 1892, Tunicata, p. 7.
1893. *Zool. Record,* XXIX, Tunicata, pp. 3–4.

Goette, *Alexander.*

1895. Ueber den Ursprung der Wirbelthiere. *Verh. deutsch. zool. Ges.* V, pp. 12–30, 7 figs. [Tunicata.]

1896. *Zool. Jahresb.* 1895, Tunicata, p. 5.

1901. Ueber die Kiemen der Fische. *Zeitschr. wiss. Zool.* LXIX, 4, pp. 533–577, pls. xl–xliii, 1 text-fig. [pp. 542–543.]

1902. Lehrbuch der Zoologie. 8°. Leipzig. [pp. 328–329, 331–338, ff. 380–386.]

Goldfuss, *Georg August.*

1820. Handbuch der Zoologie. 2 vols. 8°. Nürnberg. [I, pp. 590–595.]

1826. Grundriss der Zoologie. 8°. Nürnberg. [pp. 350–355.]

Goldschmidt, *Richard.*

1903. Notiz über die Entwickelung der Appendicularien. *Biol. Centralbl.* XXIII, pp. 72–76, 3 figs.

1903. Development of *Appendicularia. Jrn. R. Micr. Soc.* 1903, p. 167.

1904. *Zool. Jahresb.* 1903, Tunicata, p. 2.

Gólski, *Stanislaw.*

1899. Reifung und Befruchtung des Eies von *Ciona intestinalis.* (*Résumé.*) *Anzeig. Akad. Wiss. Krakau,* 1899, pp. 124–130. (And) *Bull. Internat. Acad. Cracovie,* 1899, pp. 124–130.

1899. *Zool. Centralbl.* VI, pp. 945-946.

1900. Maturation and Fertilization in *Ciona intestinalis. Jrn. R. Micr. Soc.* 1900, p. 188.

1901. [Maturation and Fertilization of the Eggs of *Ciona intestinalis* F.] (In Russian.) *Rozpr. Akad. Umiejetnosci* (Krakowie), (2) XVIII, pp. 50–69, pls. i, ii.

Goodman, *R. N.*

1884. Recent morphological speculations. I. On Alternation of Generations. *Nature,* XXX, pp. 67–69. [*passim.*]

1884. On Alternation of Generations in *Salpa. Nature,* XXX, p. 463.

Goodsir, *John.*

1840–41. Zoological Researches (1840). *Pelonaia* (1841). *See* Forbes, E., & J. Goodsir.

1841. Sur l'anatomie des Mollusques tuniciers. *Institut,* IX, p. 331.

1851. Marine Invertebrata. *See* Forbes, E., & J. Goodsir.

Gosse, *Philip Henry.*

1844. An Introduction to Zoology. 2 vols. 12°. London. [I, pp. 258–259 (*Pyrosoma*).]

1853. A Naturalist's Rambles on the Devonshire Coast. 8°. London. [pp. 71, 240–250, 322 (2 sps.); pl. xv, ff. 1, 2 (*Perophera Listeri*).]

1854. Natural History. Mollusca. 8°. London. (pp. 312–325.]

1855. A Handbook to the Marine Aquarium: . . . 8°. London. [pp. 17, 21.]

1856. A Manual of Marine Zoology for the British Isles. 2 Parts (vols.). 8°. London. 1855–56. [II, pp. 31–37, ff. 44–59 (66 sps.).]

1856. Tenby: a Sea-side Holiday. 8°. London. [pp. 28, 29, 63, 93, 97, 162 (4 sps.).]

1865. A Year at the Shore. 8°. London. [pp. 298–315, pls. xxiv, xxxv.]

Gottschaldt, *Robert.*

1894. Die Synascidien der Bremer Expedition nach Spitzbergen im Jahre 1889. *Inaug. Diss. Jena*, 1894, 29 pp., 2 pls. 8°. Jena. (And) *Jena. Zeitschr. Naturw.* XXVIII, pp. 343–369, pls. xxiv, xxv. [6 sps.]

1899. Synascidien von Ternate. *Abh. Senckenb. nat. Ges.* XXIV, 4, pp. 641–660, pls. xxxv, xxxvi. [22 sps.]

Gough, *Lewis Henry.*

1906. Plankton collected at Irish Light Stations in 1904. *Rep. Fisheries Ireland*, 1904, 6, 55 pp. [pp. 14–55 *passim* (3 sps.).]

1907. Report on the Plankton of the English Channel in 1904 and 1905. (In) Rep. II North Sea Fish. Invest. Comm. 1904–1905, I, pp. 165–268, 4 pls. (charts). [pp. 181, 202–268 *passim.*]

Gould, *Augustus Addison.*

1841. A Report on the Invertebrata of Massachusetts, . . . 8°. Cambridge, Mass. [pp. 318–320 (3 sps.).]

1852. Mollusca and Shells. (In) United States Exploring Expedition, during the years 1838, 1839, 1840, 1841, 1842, under the command of Charles Wilkes. Vol. XII. 4°. Philadelphia. [pp. 495–497, ff. 609–612 (4 sps.).]

1870. Invertebrata of Massachusetts. *See* Agassiz, L. & A.

Gourret, *Paul.*

1884. Considérations sur la Faune pélagique du Golfe de Marseille, . . . *Ann. Mus. Marseille,* II, Mém. 2, 175 pp., 5 pls. [pp. 81, 83–86.]

1907. Topographie zoologique des étangs de Caronte, de Labillon, de Berre, et de Bolinon . . . *Ann. Mus. Marseille,* Zool. XI, 166 pp., 3 pls. [pp. 92–94 (4 sps.), pl. ii, ff. 6–11.]

Graeffe, *Eduard.*

1903. Uebersicht der Fauna des Golfes von Trieste nebst Notizen über Vorkommen, Erscheinungs- und Laichzeit der einzelnen Arten. (Cont'd.) *Arb. zool. Inst. Wien,* XV, pp. 97–112. [pp. 105–112.]

1904. Fauna of the Gulf of Trieste. *Jrn. R. Micr. Soc.* 1904, p. 57.

1905. Uebersicht der Fauna des Golfes von Triest . . . IX. Tunicata. X. Vermes. *Arb. Zool. Inst. Wien,* XV. Tunicata, pp. 105–112 (75 sps.); Vermes, pp. 317–332 [p. 323].

Graff, *Ludwig von.*

1903. Die Turbellarien als Parasiten und Wirte. 4°. Graz. [pp. 39, 41, 42, 52 (*Ciona* and *Botryllus*).]

Granger, *Albert.*

1886. Mollusques (Bivalves), Tuniciers, Bryozoaires. (In) Histoire naturelle de la France. Pt. 7. 256 pp., 18 pls. 8°. Paris. [pp. 196–210, pls. xv, xvi, ff. 1–5.]

1889. Recherche et Conservation des Tuniciers. *Naturaliste,* 1889, pp. 172–173, 4 figs.

Grant, *Robert Edmond.*

1828. An Essay on the Study of the Animal Kingdom. 8°. London. [p. 23.]

1833. Outline of a Course of Lectures on the Structure and Classification of Animals. 4°. London. [p. 20.]

1841. Outlines of Comparative Anatomy, . . . [Ed. 2.] 8°. London. [pp. 42–43, 141–142, 204–206, 360–363, 456–457, 538–539, 589–590.]

(German ed. Umrisse der vergleichenden Anatomie. Transl. by — Schmidt from ed. 1, 1835. 8°. Leipzig, 1838.)

1861. Tabular view of the primary divisions of the Animal Kingdom, . . . 8°. London. [pp. 41–42.]

Grassi, *Giovanni Battista.*

1883. Beiträge zur näheren Kenntnis der Entwicklung der Wirbelsäule der Teleostier. *Morphol. Jahrb.* VIII, 3, pp. 457–473. [pp. 459–460.]

Gravenhorst, *Johann Ludwig Christian.*

1831. Tergestina, oder Beobachtungen und Untersuchungen über einige bei Triest im Meere lebende Arten der Gattungen . . . *Ascidia,* etc. 8°. Breslau. [pp. 39–42 (3 sps.).]

1843. Vergleichende Zoologie. 8°. Breslau. [pp. 62–63.]

Gravier, *Charles.*

1904. Compte rendu d'une Mission scientifique a la côte Françaîs des tomalis. *Bull. Mus. Hist. nat.* 1904, pp. 263–269. [pp. 266, 267.]

Gray, *John Edward.*

1821. A natural arrangement of Mollusca, according to their internal structure. *London Medical Repos.* XX, pp. 229–239. [pp. 235–236.]

1868. Note on *Oculinaria,* a new genus of Social Ascidia (*sic*). *Proc. Zool. Soc. Lond.* 1868, pp. 564–565, 1 fig.

Greene, *Joseph Reay.*

1865. Molluscoidea. *Zool. Record,* I (1864), pp. 251–256. [pp. 253–254.]

Greig, *James A.*

1889. Undersøgelser over dyrelivet i de vestlandske fjorde, I. *Bergens Mus. Aarsber.* 1887, 3, 13 pp. [pp. 10–11 (17 sps.).]

Griffith, *Edward.*

1834. Mollusca and Radiata. *See* Cuvier, G. L. C. F. D.

Griffiths, *Arthur Bower.*

1892. Sur la γ-achroglobine, nouvelle globuline respiratoire. *Compt. rend. Acad. Sci.* CXV, pp. 738–739.

1892. The Physiology of the Invertebrata. 8°. London. [pp. 8, 75–77, 113, 115, 205–206, 239, 245, 343–344, 452–453, 454, f. 22 (p. 76).]

Grobben, *Carl.*

1882. *Doliolum* und sein Generationswechsel, . . . *Arb. zool. Inst. Wien,* IV, 2, pp. 201–298, 5 pls. (Also sep.) 98 pp., 5 pls. 8°. Wien, 1882.

1882. Alternation of Generations in *Doliolum. Jrn. R. Micr. Soc.* (2) II, pp. 331–332.

1887. *Arch. Naturg.* LI, II, 3, pp. 129–130, 134–135.

1908. Die systematische Einteilung des Tierreichs. *Verh. Ges. Wien,* LVIII, pp. 491–511. [pp. 506–508.]

Gronovius, *Laurentius Theodorus.*

1781. Zoophylacium Gronovianum, exhibens Animalia . . . quæ in Museo suo adservavit, . . . fol. Lugduni Batavorum. [pp. 242, 245, 374.]

Groult, *Paul.*

1891. Conservation des Animaux marins. *Naturaliste,* XIII, p. 196, ff. 53–55. [Tunicata.]

Grube, *Adolph Eduard.*

1861. Ein Ausflug nach Triest und dem Quarnero. Beiträge zur Kenntniss der Thierwelt dieses Gebietes. viii + 175 pp., 5 pls. [pp. 22, 28, 58, 62, 65, 70, 122, 133–134 (20 sps.), pl. v, ff. 2–5.]

1864. Die Insel Lussin und ihre Meeresfauna. 8°. Breslau. [pp. 19, 23, 30, 31, 50–66 (32 sps.), pl., ff. 1–5.]

1869. Mittheilungen über St. Vaaste-la-Hougue und seine Meeres-, besonders seine Annelidenfauna. *Abh. schles. Ges. vat. Cult.,* Naturw. 1868–69, pp. 91–129, pl. ii. [pp. 99–113 *passim,* and 125 (19 sps.).]

1872. Mittheilungen über St. Malo und Roscoff und die dortige Meeres- besonders die Annelidenfauna. *Abh. schles. Ges. vat. Cult.,* Naturw. 1869–72, pp. 75–146, pls. i, ii. [pp. 81–107 *passim,* and 137–138 (34 sps.).]

Guérin-Meneville, *Felix Edouard.*

1836 (?). Iconographie du Règne Animal de G. Cuvier, . . . 3 vols. 8°. Paris, 1829–44. [Mollusques, pp. 52–54, pls. xxxiv, xxxv.]

Gunner, *Johann Ernst.*

1765. Söe-Pungen (*Tethyum sociabile*) fuldständig beskreven. *Trondhj. Selsk. Skrift.* III, pp. 81–102, pl. iii, ff. 3, 4.

1767. Der See-Beutel (*Tethyum sociable*) vollständig beschreichen. (Transl.) *Dronth. Gess. Schrift.* III, pp. 69–87, pl. iii, ff. 3, 4.

1770. Rogle smaa rare og meestendeelen nye Norske Söedyr. *Skrift. Kiobenh. Selskab.* X, pp. 166–176, pl. e. [pp. 166–169, pl. e, ff. 1–9 (*Ascidia singularis* and *A. octodentata.*).]

Gutherz, *S.*

1904. Selbst- und Kreuzbefruchtung bei solitären Ascidien. *Arch. mikr. Anat.* LXIV, pp. 111–120.

1905. Fertilisation in Solitary Ascidians. *Jrn. R. Micr. Soc.* 1905, p. 688.

H.

Haacke, *Johann Wilhelm.*

1893. Die Schöpfung der Tierwelt. 8°. Leipzig & Wien. [p. 292, 1 fig.]

1893. Gestaltung und Vererbung. Eine Entwickelungsmechanik der Organismen. 8°. Leipzig. [pp. 146, 222, 223.]

1897. Grundriss der Entwickelungsmechanik. 8°. Leipzig. [pp. 98, 111, 126.]

Haddon, *Alfred Cort.*

1887. An Introduction to the Study of Embryology. 8°. London. [*See* Index: Tunicata.]

Haeckel, *Ernst Heinrich Philipp August.*

1866. Generelle Morphologie der Organismen. 2 vols. 8°. Berlin. [II, pp. cvi–cviii.]

1867. Eine zoologische Excursion nach den canarischen Inseln. *Jena. Zeitschr. Naturw.* III, 4, pp. 313–328. [p. 323.]

1868. Natürliche Schöpfungsgeschichte. 8°. Berlin. [pp. 404–409.]

1874. Anthropogenie oder Entwickelungsgeschichte des Menschen. 8°. Leipzig. [pp. 309–316, 317–340 *passim*; 413–415; pls. vii, ff. 1–6, viii, f. 14; text-ff. 96, 97, 100, 112, 113.]

1883. The History of Creation. Ed. 3. 2 vols. 8vo. London. (Transl.) [II, pp. 152–153, 200–201, 394–396, pls. xii, xiii.]

1890. Plankton-Studien. Vergleichende Untersuchungen über die Bedeutung und Zusammensetzung der pelagischen Fauna und Flora. 8°. Jena. [pp. 53–55, 65, &c.]

1893. Zur Phylogenie der australischen Fauna. *Denkschr. Ges. Jena,* IV, 1, pp. i–xxiv. [p. xiii.]

1895. Systematische Phylogenie der Wirbelthiere (Vertebrata). 8°. Berlin. [pp. 12–13.]

1896. Systematische Phylogenie der Wirbellosen Thiere (Invertebrata). 8°. Berlin. [pp. 329–347.]

1905. The Evolution of Man: a popular scientific study. Transl. by Joseph McCabe. 2 vols. 8°. London. [II, pp. 419, 435–441; pls. xviii, ff. 1–6, xix, f. 14; text-ff. 255, 256.]

(The two volumes are paged consecutively.)

Haeckel, *E. H. P. A.*

1908. Naturliche Schöpfungs-Geschichte. Ed. 9. 8°. Berlin. [pp. 617–618, 637; pls. xii, f. A, xiii, f. A.]

1910. Anthropogenie oder Entwickelungsgeschichte des Menschen. Ed. 6. 2 Teil. 8°. Leipzig. [II, pp. 440–441, 457–466, 487–494, 813; pls. xviii, ff. 1–6, xix, f. 14, xx; text-ff. 255, 256, 276.

(The two volumes are paged consecutively.)

Haecker, *Valentin.*

1902. Ueber das Schicksal der elterlichen und grosselterlichen Kernantheil. *Jena. Zeitschr. Naturw.* XXXVII (1903), pp. 297–400, pls. xvii–xx, 16 text-figs. [p. 365 (*Ciona intestinalis*).]

Hagelberg, *W.*

1880 (?). Zoologischer Hand-Atlas. 4°. Berlin, 1879–81. (F. Weichthiere, Mollusca.) [pl. lxxxv, ff. 11, 12 (*Salpa maxima* and *Cynthia papillosa*).]

Hahn, *Lucien.*

1900–2. (Several articles in) Grande Encycl. 4°. Paris, 1885–1902. [See under names of genera, and Tuniciers.]

Hammer, *Christopher.*

1775. Fauna Norvegica eller norsk Dyr-Rige. 8°. Kiobenhavn. [pp. 188–189 (5 sps.).]

Hancock, *Albany.*

1848. Mollusca of Northumberland and Durham. *See* Alder, J., & A. Hancock.

1850. On the Anatomy of the Freshwater Bryozoa. *Ann. Nat. Hist.* (2) V, pp. 173–204, pls. ii–v. [pp. 195–200.]

1867. On the Anatomy and Physiology of the Tunicata. *Jrn. Linn. Soc. Lond.*, Zool. IX (1868), pp. 309–346.

1870. *Arch. Naturg.* XXXVI, II, p. 583.

1870. On the larval state of *Molgula*; with descriptions of several new species of Simple Ascidians. *Ann. Nat. Hist.* (4) VI, pp. 353–368 (18 sps.).

1871. *Arch. Naturg.* XXXVII, II, p. 160.

1871. Note on the larval state of *Molgula*. *Rep. Brit. Assoc.* 1870, Sect. pp. 118–119.

1905–07. British Tunicata. *See* Alder, J., & A. Hancock.

Hanley, *Sylvanus Charles Thorp.*

1848–53. British Mollusca. *See* Forbes, E., & S. C. T. Hanley.

Hargitt, *C. W.*

1895. Character and Distribution of the genus *Perigonimus*. *Mitth. zool. Stat. Neapel*, XI, pp. 479–487. [p. 484.]

Harmer, *Sidney Frederic.*

1885. On the Structure and Development of *Loxosoma*. *Qrt. Jrn. Micr. Sci.* (N. S.) XXV, pp. 261–337, pls. xix–xxi. [p. 263 (parasite on *Leptoclinum*).]

Hart, *Henry Martyn.*

1869. The World of the Sea. *See* Moquin-Tandon, C. H. B. A.

Hartmann, *Carl Eduard Wilhelm Robert.*

1877. Ueber den Bau der *Ascidia mentula*. *Sitzber. Ges. Freunde Berlin*, 1877, pp. 208–211.

1878. Einige Mittheilung über Appendicularien. *Sitzber. Ges. Freunde Berlin*, 1878, pp. 97–100. [*Oikopleura malmi.*]

1891. Ueber den chordaähnlichen Strang im Schwanz der Larven von *Ascidia patellæformis*. *Sitzber. Ges. Freunde Berlin*, 1891, 1, pp. 4–7.

Hartmeyer, *Robert.*

1899. Brutpflege bei arktischen Monascidien. *Zool. Anzeig.* XXII, pp. 268–270.

1899. Die Monascidien der Bremer Expedition nach Ost-Spitzbergen im Jahre 1889. *Zool. Jahrb.*, Syst. XII, pp. 453–520 (11 sps.), pls. xxii, xxiii, 11 text-figs.

1900. Monascidien von Ternate. *Abh. Senckenb. nat. Ges.* XXV, 1, pp. 1–12, pl. i.

1900. Nachtrag zu Monascidien von Ternate. *Abh. Senckenb. nat. Ges.* XXV, pp. 233–242, pl. x.

1901. Holosome Ascidien (*Ascidiacea holosomata*). Meeresfauna von Bergen, I, pp. 17–63 (40 sps.), 23 figs. (Bergens Museum.) 8°. Bergen.

1901. Zur Kenntniss des Genus *Rhodosoma* Ehrbg. *Arch. Naturg.* LXVII (Festschrift), pp. 151–168, pl. iv.

1902. Ueber Varietätenbildung und eine geograpische Varietät von *Ciona intestinalis* (L.). *Sitzber. Ges. Freunde Berlin*, 1902, 9, pp. 203–205.

1903. Arctic variety of *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1903, p. 602.

1903. Die Ascidien der Artkis. (In) Römer and Schaudinn's Fauna Artica, III, 2, pp. 93–412, pls. iv–xiv, 52 text-figs. 4°. Jena. [81 sps.]

1904. *Zool. Jahresb.* 1903, Tunicata, p. 4.

HARTMEYER, *R.*

1904. Die Ascidien der Olga-Expedition. Zoologische Ergebnisse . . . nach der Bäreninsel und Westspitzbergen . . . (In) Wiss. Meeres. Komm. deutsch. Meere, (N. F.) V, Abt. Helgoland, 2, pp. 85–95 (18 sps.).

1904. Tunicaten von Ægina. Ein Beitrag zur Kenntnis der Fauna des österlichen Mittelmeeres. *Zool. Anzeig.* XXVII, pp. 321–327, 2 figs. [16 sps.]

1905. Ascidien von Mauritius. *Zool. Jahrb.* VIII, Suppl. pp. 383–406, pl. xiii, 3 text-figs. [8 new sps.]

1905. Investigations in Norwegian Fjords. *See* HUITFELDT-KAAS, H., R. HARTMEYER, & J. KIÆR.

1906. Die Ascidien von Helgoland. Beiträge zur Meeresfauna von Helgoland. (In) Wiss. Meeres. Komm. deutsch. Meere, (N. F.) VIII, Abt. Helgoland, 1, pp. 117–127 (12 sps.). 4°. Kiel & Leipzig.

1906. Ein Beitrag zur Kenntnis der japanischen Ascidienfauna. *Zool. Anzeig.* XXXI, 1, pp. 1–30, 12 figs.

1907. Japanese Ascidians. *Jrn. R. Micr. Soc.* 1907, p. 159.
1908. *Zool. Jahresb.* 1907, Tunicata, p. 2.

1907. Reisebericht. 2 Teil. (In) Die Fauna Südwest-Australiens. By W. Michaelson and R. Hartmeyer. I, 1, pp. 59–108. 8°. Jena. [pp. 89–107 *passim.*]

1907. Preliminary Report on the Ascidians of the Tortugas. *Year Book Carnegie Inst.* VI, pp. 110–111.

1908. Zur Terminologie der Familien und Gattungen der Ascidien. *Zool. Annalen,* III (1910), pp. 1–63.

1909. Abgeänderte Artnamen einiger Ascidien. *Sitzber. Ges. Freunde Berlin,* 1909, pp. 225–227.

1909. Tunicata. (In) Bronn's Tier-reichs, III, Suppl., pp. 1281–1488. 8°. Leipzig.

1909. Die systematische Stellung der Gattung *Glandula.* *Zool. Anzeig.* XXXIV, pp. 144–150, 3 figs.

1909. Zur Terminologie der Didemnidæ. *Sitzber. Ges. Freunde Berlin,* 1909, pp. 575–581.

1910. Die Ascidien der Danmark-Expedition. Danmark Ekspeditionen til Grönlands Nordösthyst 1906–1908, V, 3 (*Medd. Grönland,* XLV), pp. 225–236. 8°. Köbenhavn. [7 sps.]

1910. *Polycitor* (*Eudistoma*) *mayeri* nov. sp., from the Tortugas. *Publ. Carnegie Inst.* 132, pp. 89–93, pl. i.

1910. *Pyura echinata* (L.) oder *Microcosmus echinatus* (L.)? Zugleich ein Beitrag zur Variabilität einer Ascidie. *Sitzber. Ges. Freunde Berlin,* 1910, pp. 231–240, pl. viii.

HARTMEYER, *R.*

1910. Tunicata (Manteltiere). (In) Bronn's Tierreichs, III, Suppl. pp. 1489–1680. 8°. Leipzig & Heidelberg.

1910. Tunicata . . . mit Nachträgen. *Arch. Naturg.* II, 3. Für 1907, LXXIV, 16 pp. 1908, LXXV, 17 pp.

1910. Zur Terminologie der Ascidien. (2 Aufsatz.) *Zool. Annalen,* III, pp. 275–283.

Hartwig, *Georg.*

1860. The Sea and its living Wonders. (Transl.) 8°. London. [pp. 254–256, 329, 5 figs.]

1873. The Sea and its living Wonders. Ed. 4. 8°. London. [pp. 316, 321–327, 420–422 *bis,* 12 figs.]

(Ed. 8, 1892.)

Harvey, *William Henry.*

1849. The Sea-side Book; being an Introduction to the Natural History of the British Coasts. 8°. London. [pp. 97–100, fig. (*Botryllus*).]

(Ed. 3, 1854 [pp. 129-132, fig. (*idem*)].)

Hasselt, *Jan Coenraad van.*

1822. [Ueber die Biphoren.] *Allgem. Konst Letterb.* VI, p. 32.

(Not seen; title unknown.)

1824. Extrait d'une lettre . . . sur les Biphores. (Transl.) *Bull. Sci. Nat.* II, pp. 212–214. (And) *Ann. Sci. nat.* (1) III, pp. 78–81.

Haswell, *William Aitcheson.*

1897. Text-book of Zoology. *See* PARKER, J. T., & W. A. HASWELL.

Hayek, *Gustav von.*

1885. Handbuch der Zoologie. 4 vols. 8°. Wien, 1877–93. [III, pp. 3–35, ff. 2044–2100.]

Hazen, *Annah Putnam.*

1900. Gastrulation of *Amphioxus.* See MORGAN, T. H., & A. P. HAZEN.

Heape, *Walter.*

1887. Preliminary Report upon the Fauna and Flora of Plymouth Sound. *Jrn. Marine Biol. Assoc.* I (1888), 2, pp. 153–193. [p. 188.]

Heath, *Alice.*

1883. On the structure of the Polycarp and the Endocarp in the Tunicata. *Proc. Lit. Phil. Soc. Liverp.* XXXVII, pp. 185–193, 4 pls.

Hedley, *Charles.*

1906. [*Phronima* breeding in test of *Pyrosoma*: exhibited.] *Proc. Linn. Soc. N. S. Wales,* XXX, 4, pp. 576–577.

1909. The Marine Fauna of Queensland. *Austral. Assoc. Adv. Sci.* 1909, pp. 329–371, 2 maps. [pp. 336, 339.]

Heiden, *Heinrich.*

1893. Ascidiæ aggregatæ und Ascidiæ compositæ von der Insel Menorca. *Zool. Jahrb.*, Syst. VII, 3, pp. 341–364 (24 sps.), pl. xiii.

Heider, *Carl.*

1893. Mittheilung über die Embryonalentwicklung der Salpen. *Verh. deutsch. zool. Ges.* III, pp. 38–48, figs. 1–14.

1893. Ueber die Bedeutung der Follikelzellen in der Embryonal-Entwicklung der Salpen. *Sitzber. Ges. Freunde Berlin,* 1893, 9, pp. 232–242.

1895. *Zool. Jahresb.* 1894, Tunicata, pp. 10–11 (Above two memoirs).

1893. Tunicata und Cephalochorda. (In) Lehrbuch der vergleichenden Entwicklungsgeschichte der wirbellosen Thiere. By E. Korschelt & C. Heider. Speciellen Theil, 3 Heft, 1890–93. 8°. Jena. Heft 3, pp. 1266–1467. [pp. 1266–1428, ff. 735–865; and pp. 1439–1464 *passim.*]

1895. Beiträge zur Embryologie von *Salpa fusiformis,* Cuv. *Abh. Senckenb. nat. Ges.* XVIII, 4, pp. 365–455, 6 pls., 18 text-figs. (A–S). (And sep.) 8°. Frankfurt.

1896. *Zool. Jahresb.* 1895, Tunicata, pp. 12–13.

1902. Vergleichenden Entwickelungsgeschichte. Algemeiner Theil. *See* Korschelt, E., & C. Heider.

1896. Ueber den Generationswechsel der Salpen. *Ber. Ver. Innsbruck,* XXII, pp. xi–xii.

1897. Ist die Keimblatterlehre erschüttert? *Zool. Centralbl.* IV, pp. 725–737. [pp. 734–735.]

1900. Tunicata and Cephalochorda. (In) Text-book of the Embryology of Invertebrates. By E. Korschelt & C. Heider. Transl. by Matilda Bernard and Martin F. Woodward. 4 vols. 8°. London, 1895–1900. [IV, pp. 334–534, ff. 148–278; and 539–579 *passim.*]

Heine, *Paul.*

1902. Untersuchungen über den Bau und die Entwicklung des Herzens der Salpen und der *Ciona intestinalis. Zeitschr. wiss. Zool.* LXXIII, 3, pp. 429–495, pl. xxix–xxxi, 1 text-fig.

1904. *Zool. Jahresb.* 1903, Tunicata, pp. 4–5, 8.

Heinemann, *Philip.*

1905. Untersuchungen über die Entwicklung des Mesoderms und den Bau des Ruderschwanzes bei den Ascidienlarven. *Zeitschr. wiss. Zool.* LXXIX, pp. 1–72, pls. i–iv.

1905. Mesoderm formation and the structure of the Tail in Ascidian Larvæ. *Jrn. R. Micr. Soc.* 1905, p. 303.

Heller, *Camil.*

1874. Untersuchungen über die Tunicaten des adriatischen Meeres. I and II Abth. *Denkschr. Akad. Wien,* XXXIV (1875), 2, pp. 1–20 (12 sps.), 6 pls.; pp. 107–125 (8 sps.), 6 pls.

1877. Untersuchungen über die Tunicaten des adriatischen und Mittelmeers. III Abth. *Denkschr. Akad. Wien.* XXXVII, 1, pp. 241–275 (51 sps.), 7 pls.

1878. Beiträge zur näheren Kenntniss der Tunicaten. *Sitzber. Akad. Wien,* LXXVII, 1, pp. 83–109, 6 pls.

1879. *Arch. Naturg.* XLV, II, pp. 378–379. [List, 30 sps.]

1879. New Tunicata. *Jrn. R. Micr. Soc.* II, p. 407.

1878. Die Crustaceen, Pycnogoniden, und Tunicaten der k. k. österr.-ungar. Nordpol-Expedition. *Denkschr. Akad. Wien,* XXXV, pp. 25–46, 5 pls. [pp. 43–44 (5 sps.), pl. v, ff. 6–10.]

Henri, *Victor.*

1903. Études des ferments digestifs chez quelques Invertébrés. *Compt. rend. Soc. Biol.* LV, pp. 1316–1318. [p. 1318 (*Salpa africana*).]

1903. Étude des ferments digestifs chez quelques Invertébrés. *Compt. rend. Acad. Sci.* CXXXVII, pp. 763–765. [pp. 763, 765 (*Salpa africana*).]

Hensen, *Victor Andreas Christian.*

1890. Das Plankton der östlichen Ostsee. VI. Ber. Comm. deutsch. Meere . . . 1887–89, XVII–XIX, II, pp. 103–137, 1 pl. fol. Berlin. [p. 115 (*Oikopleura*).]

1890. Einige Ergebnisse der Plankton-Expedition der Humboldt-Stiftung. *Sitzber. Akad. Wiss. Berlin,* 1890, pp. 243–253. [p. 252.]

1891. The Plankton-Expedition and Haeckel's Darwinismus. Kiel & Leipzig. [*Appendicularia.*] (*Fide* Matzdorff.)

1906. Die Biologie des Meeres. *Arch. Hydrobiol. Plankt.* I, 3, pp. 360–377. [p. 372 (*Salpa*).]

Herbst, *Curt.*

1896. Planktonstudien. *Compt. rend. Congr. internat. Zool.* III (Leyde), pp. 124–129.

Herbst, *C.*

1897. Ueber die zur Entwickelung der Seeigellarven nothwendigen anorganischen Stoffe, ihre Rolle und ihre Vertretbarkeit. *Arch. Entwick. Org.* V, pp. 649–793, pls. xii–xiv. [pp. 678–680 (*Phallusia mamillata* and *Ciona intestinalis*).]

1899. Ueber das Auseinandergehen von Furchungs- und Gewebezellen im kalkfreiem Medium. *Arch. Entwick. Org.* IX, pp. 424–463, pls. xviii, xix. [p. 436 (*Ciona intestinalis*).]

Herdman, *William Abbott.*

1880. Preliminary Report on the Tunicata of the 'Challenger' Expedition. (Ascidiadæ and Clavelinidæ.) *Proc. Roy. Soc. Edinb.* X, pp. 458–472, 714–726.

1883. *Zool. Jahresb.* 1882, III, pp. 8–9.

1881. Invertebrate Fauna of Firth of Forth. *See* Leslie, G., & W. A. Herdman.

1881. Notes on British Tunicata, with descriptions of new species. I. Ascidiidæ. *Jrn. Linn. Soc. Lond.*, Zool. XV, pp. 274–290, pls. xiv–xix.

1883. *Zool. Jahresb.* 1882, III, p. 8.
1887. *Arch. Naturg.* LI, II, 3, p. 141.

1881. On individual variation in the Branchial Sac of simple Ascidians. *Jrn. Linn. Soc. Lond.*, Zool. XV, pp. 329–332.

1881. *Arch. Zool. expér.* X, pp. 37–40.
1883. *Zool. Jahresb.* 1882, III, p. 8.
1887. *Arch. Naturg.* LI, II, 3, p. 134.

1881. On the Hypophysal Gland in Ascidians. *Nature*, XXIV, p. 68.

1881. Die Hypophysis der Seescheiden. (Transl.) *Kosmos*, IX, pp. 387–389.

1881. On the "Olfactory Tubercle" as a specific character in simple Ascidians. *Proc. Roy. Phys. Soc. Edinb.* VI, pp. 254–267, 16 figs.

1881. Preliminary Report on the Tunicata of the 'Challenger' Expedition. (Cynthiidæ and Molgulidæ.) *Proc. Roy. Soc. Edinb.* XI, pp. 52–88, 233–240.

1881. Compte rendu préliminaire sur les Tuniciers du 'Challenger.' *Arch. Zool. expér.* IX, pp. lii–lv.

1882. On individual variation among Ascidians. *Proc. Lit. Phil. Soc. Liverp.* XXXVI, pp. 313–324, pls. i, ii.

1884. *Zool. Jahresb.* 1883, IV, p. 5.

1882. On the genus *Culeolus*. *Proc. Roy. Soc. Lond.* XXXIII, pp. 104–106, 2 figs.

HERDMAN, *W. A.*

1882. Report on the Tunicata collected during the Voyage of H.M.S. 'Challenger' during the years 1873–76. I, Ascidiæ simplices. Zool. Challenger Exped. VI, pt. xvii, 296 pp., 37 pls. 4°. London.

1884. *Zool. Jahresb.* 1883, IV. pp. 8, 17, 18.

1887. *Arch. Naturg.* LI, II, 3, pp. 136–141.

1883. On the homology of the Neural Gland in the Tunicata with the Hypophysis cerebri. *Proc. Roy. Soc. Edinb.* XII, pp. 145–151.

1883. Report on the Tunicata collected during the Cruise of H.M.S. 'Triton' in the summer of 1882. *Trans. Roy. Soc. Edinb.* XXXII, 1, pp. 93–117, pls. xvi–xx.

1885. *Zool. Jahresb.* 1884, IV, pp. 8–10.

1883. The Hypophysis cerebri in Tunicata and Vertebrata. *Nature*, XXVIII, pp. 284–286.

1887. *Arch. Naturg.* LI, II, 3, pp. 119–120.

1884. Abstract of Report on the 'Porcupine' Tunicata. *Proc. Roy. Soc. Edinb.* XII, p. 412.

1884. On the Classification of the Ascidiæ compositæ. *Nature*, XXIX, pp. 429–431.

1885. *Zool. Jahresb.* 1884, IV, p. 9.

1884. Report upon the Tunicata dredged during the Cruises of H.M. SS. 'Porcupine' and 'Lightning,' in the Summers of 1868, 1869, and 1870. *Trans. Roy. Soc. Edinb.* XXXII (1887), 2, pp. 219–231, pls. xxxv, xxxvi.

1885. A phylogenetic Arrangement of Animals. *Proc. Lit. Phil. Soc. Liverp.* XXXIX, pp. 65–85, pl. (chart). [p. 80, chart.]

1885. A phylogenetic Classification of Animals. 8vo. London. [pp. 58–61, chart.]

1885. Note on the armature of the Branchial Siphon in some simple Ascidians. *Proc. Lit. Phil. Soc. Liverp.* XXXIX, pp. 203–204.

1885. On a new Organ of Respiration in the Tunicata. *Proc. Lit. Phil. Soc. Liverp.* XXXIX, pp. 39–46, pl. ii.

1885. On the evolution of the Blood-vessels of the Test in the Tunicata. *Nature*, XXXI, pp. 247–249, 5 figs.

1886. *Zool. Jahresb.* 1885, IV, p. 3.

1885. The presence of Calcareous Spicula in the Tunicata. *Proc. Liverp. Geol. Soc.* V (1888), 1, pp. 42–45.

1885. The conservative action of Animals in relation to Dynamical Geology. *Proc. Liverp. Geol. Soc.* V (1888), 1, pp. 46–51. [pp. 48, 49, 51.]

GEOLOGIC ... WOODS HOLE

HERDMAN, *W. A.*

1886. Notes on the Marine Invertebrate Fauna of the southern end of the Isle of Man. (In) Fauna of Liverpool Bay, I, pp. 318–341. 8°. Liverpool. [pp. 319–328 *passim*, 339–341 (39 sps.).]

1886. On some points in the Phylogeny of the Tunicata. *Nature*, XXXIII, pp. 546–547.

1886. On the Phylogeny of the Tunicata (Abstr.). *Proc. Roy. Soc. Edinb.* XIII, pp. 444–445.

1888. *Zool. Jahresb.* 1886, Tunicata, pp. 2–3.

1886. Report on the Tunicata collected during the Voyage of H.M.S. 'Challenger,' during the years 1873–76. II, Ascidiæ compositæ. Zool. Challenger Exped. XIV, pt. xxxviii, pp. 432, 49 pls., 1 map.

1888. *Arch. Naturg.* LII, II, 3, pp. 224–230.

1886. The First Report upon the Fauna of Liverpool Bay and the neighbouring Seas. (Ed. by W. A. H.) Appx. to *Proc. Lit. Phil. Soc. Liverp.* XL, 372 pp., 11 pls. Introduction, pp. 1–15 [*passim*]. Report on the Tunicata of the L.M.B.C. District, pp. 281–311 (47 sps.), pls. v, vi. Notes on the Marine Invertebrate Fauna of the southern end of the Isle of Man, pp. 318–341. [pp. 339–341 *et passim*]. Notes on Variation in the Tunicata, pp. 354–364, pl. ix.

1891. *Arch. Naturg.* LIV, II, 3, pp. 6–7. [List of sps.]

1887. Recent discoveries in connection with the Pineal and Pituitary Bodies of the Brain. *Proc. Liverp. Biol. Soc.* I, pp. 18–25, pls. i, ii. [Chiefly Tunicata.]

1887. Tunicata. *Zool. Record*, 1886 (XXIII), 8 pp.

1888. A summary of the work done by the Liverpool Marine Biology Committee during 1885–87. *Jrn. Marine Biol. Assoc.* 1888, pp. 212–217. [p. 216.]

1888. Note on the specific nomenclature of *Salpa*. *Proc. Liverp. Biol. Soc.* II, pp. 133–136.

1888. Report upon the Tunicata collected during the Voyage of H.M.S. 'Challenger,' during the years 1873–76. III, Ascidiæ Salpiformes, Thaliacea, Larvacea, &c. Zool. Challenger Exped., XXVII, pt. lxxvi, 166 pp., 11 pls., 28 text-figs. 4°. London.

1891. *Zool. Jahresb.* 1889, Tunicata, pp. 1–2.

1893. *Arch. Naturg.* LVI, II, 3, pp. 8–9.

1888. The Structure and Life History of the Ascidian. *Trans. Manch. Micr. Soc.* 1887–88, pp. xxii–xxxii, pls. i, ii.

HERDMAN, *W. A.*

1888. The Utility of Specific Characters. *Nature*, XXXIX, pp. 200–201. [Tunicata.]

1890. *Zool. Jahresb.* 1888, Tunicata, p. 2.

1888. Tunicata. (In) Encyclopædia Britannica. Ed. 9, XXIII, pp. 609–619, 22 figs. 4°. London.

1888. Tunicata. *Zool. Record*, 1887 (XXIV), 5 pp.

1889. Brief notes on the Marine Invertebrate Fauna of the southern end of the Isle of Man. *Lioar. Manninagh* (*Jrn. I. Man. N. H. Soc.*), I, 1, pp. 54–56. [pp. 55, 56.]

1889. Budding, and the formation of Colonies amongst Animals. *Rep. Liverp. Micr. Soc.* 1889, pp. 41–52, 5 figs. [pp. 46–52, ff. 3–5.]

1889. Second Annual Report of the Liverpool Marine Biological Station on Puffin Island. *Proc. Liverp. Biol. Soc.* III, pp. 23–41. [p. 37.]

1889. Second Report upon the Tunicata of the L. M. B. C. District. *Proc. Liverp. Biol. Soc.* III, pp. 240–260 (33 sps.), pl. xiii. (And in) Fauna of Liverpool Bay, II, pp. 113–133, pl. xiii. 8°. Liverpool.

1890. Opening Address to the Liverpool Biological Society. *Proc. Liverp. Biol. Soc.* IV, pp. 1–23. [pp. 19–23.]

1890. Third Annual Report of the Liverpool Marine Biological Station . . . *Proc. Liverp. Biol. Soc.* IV, pp. 36–79, map. [p. 67.]

1890. Tunicata. *Zool. Record*, 1888 (XXV), 5 pp.; 1889 (XXVI), 5 pp.

1891. A revised classification of the Tunicata, with definitions of the orders, suborders, families, subfamilies, and genera, and analytical keys to the species. *Jrn. Linn. Soc. Lond.*, Zool. XXIII, pp. 558–562.

1891. Fourth Annual Report of the Liverpool Marine Biological Station . . . *Trans. Liverp. Biol. Soc.* V, pp. 19–56. [pp. 37, 41.]

1891. Note on *Diazona* and *Syntethis*. *Ann. Nat. Hist.* (6) VIII, pp. 165–169.

1895. *Arch. Naturg.* LVIII, II, 3, p. 15.

1891. On the genus *Ecteinascidia* and its relations; with descriptions of two new species, and a classification of the family Clavelinidæ. *Trans. Liverp. Biol. Soc.* V, pp. 144–163, pls. vi, vii.

HERDMAN, *W. A.*

1891. The Biological Results of the Cruise of the S.Y. 'Argo' round the West Coast of Ireland in August, 1890. *Trans. Liverp. Biol. Soc.* V, pp. 181–212, pls. viii–x. [pp. 205–212, pls. ix, x.]

1895. *Arch. Naturg.* LVIII, II, 3, p. 15.

1891. The Classification of the Tunicata in relation to Evolution. *Nature,* XLIV, pp. 130–133.

1893. *Zool. Jahresb.* 1891, Tunicata, p. 2.
1895. *Arch. Naturg.* LVIII, II, 3, pp. 11–13.

1891. Tunicata. (In) Zoological Articles contributed to the Encyclopædia Britannica. By E. Ray Lankester. 4°. London. pp. 185–195, 22 figs.

(Reprinted from Encyl. Brit., 1888.)

1892. A functional hermaphrodite Ascidian. *Nature,* XLVI, p. 561. [*? Ascidia rubicunda.*]

1892. Fifth Annual Report of the Liverpool Marine Biological Station now on Puffin Island. *Trans. Liverp. Biol. Soc.* VI, pp. 10–39. [pp. 29, 34.]

1892. Notes on the Collections made during the Cruise of the S.Y. 'Argo' up the West Coast of Norway in July, 1891. *Trans. Liverp. Biol. Soc.* VI, pp. 70–93, pls. vi, vii. [pp. 77–85 *passim,* 91–93.]

1892. Notes on the Structure of *Oikopleura. Trans. Liverp. Biol. Soc.* VI, pp. 40–56. (And in) Fauna of Liverpool Bay, III, pp. 31–47, pls. i–iv. 8°. Liverpool.

1892. Tunicata. *Zool. Record,* 1890 (XXVII), 6 pp.; 1891 (XXVIII), 6 pp.

1893. Note on the Geographical Distribution of Ascidians. *Rep. Brit. Assoc.* 1892, pp. 787–788.

1897. *Arch. Naturg.* LIX, II, 3, p. 32.

1893. Note on Atrial, or Circumcloacal, Tentacles in the Tunicata. *Rep. Brit. Assoc.* 1892, pp. 788–789. (And) *Bull. Sci. France Belg.* XXV, pp. 56–58.

1893. Notes on British Tunicata. Part II. *Journ. Linn. Soc. Lond.,* Zool. XXIV (1894), pp. 431–454, pls. xxxiii–xxxvi.

1894. *Zool. Jahresb.* 1893, Tunicata, p. 11.
1897. *Arch. Naturg.* LIX, II, 3, pp. 29–30.

1893. Sixth Annual Report of the Liverpool Marine Biology Committee, and their Biological Station at Port Erin. *Trans. Liverp. Biol. Soc.* VII, pp. 45–90. [pp. 68, 69, 76, 77.]

1893. Proposed Handbook to the British Marine Fauna. *Trans. Liverp. Biol. Soc.* VII, pp. 248–252. [pp. 251–252.]

HERDMAN, W. A.

1893. Tunicata. *Zool. Record*, 1892 (XIX), 7 pp.

1894. Seventh Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* VIII, pp. 3–49. [pp. 16–20 *passim*, 34–45 *passim*.]

1894. Tunicata. (In) A Month on the Trondhjem Fiord. By the Rev. Canon Norman. *Ann. Nat. Hist.* (6) XII, pp. 341–367, 441–452, pls. xvi, xix. [pp. 443–446.]

(The article was concluded in the next volume.)

1894. The Marine Zoology of the Irish Sea.—Report of the Committee, . . . *Rep. Brit. Assoc.* 1893, pp. 526–536, pl. iv, 1 text-fig. [pp. 529–532 (22 sps.).]

1897. *Arch. Naturg.* LIX, II, 3, p. 34. [List of sps.]

1894. Tunicata. *Zool. Record*, 1893 (XXX), 5 pp.

1895. Eighth Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* IX, pp. 26–69. [pp. 32–38 *passim*.]

1895. The Marine Zoology of the Irish Sea.—Second Report of the Committee, . . . *Rep. Brit. Assoc.* 1894, pp. 318–334, pl. i, 2 text-figs. [pp. 319–322 (12 sps.).]

1895. Tunicata. *Zool. Record*, 1894 (XXXI), 8 pp.

1896. Address. Section D.—Zoology. *Rep. Brit. Assoc.* 1895, pp. 698–713. [pp. 708–709, 713.]

1896. Handbook to Liverpool and the Neighbourhood. Ed. by W. A. H. (Brit. Assoc. Handbook.) 8°. Liverpool. [pp. 57–58.]

1896. Ninth Annual Report of the Liverpool Marine Biology Committee. . . . *Trans. Liverp. Biol. Soc.* X, pp. 34–84. [pp. 49, 70.]

1896. The Marine Zoology, Botany, and Geology of the Irish Sea.—Third Report of the Committee, . . . *Rep. Brit. Assoc.* 1895, pp. 455–467. [p. 461 (5 sps.).]

1896. Tunicata. *Zool. Record*, 1895 (XXXII), 7 pp.

1897. Tenth Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* XI, pp. 7–46. [p. 27 (*Fritillaria*).]

1897. The Marine Zoology, Botany, and Geology of the Irish Sea.—Fourth and Final Report of the Committee. *Rep. Brit. Assoc.* 1896, pp. 417–450, 2 figs. [pp. 447–448 (58 sps.).]

1897. Tunicata. *Zool. Record*, 1896 (XXXIII), 8 pp.

1898. Descriptions of some simple Ascidians collected in Puget Sound, Pacific Coast. *Trans. Liverp. Biol. Soc.* XII, pp. 248–267, pls. xi–xiv.

HERDMAN, W. A.

1898. Eleventh Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* XII, pp. 91–225. [pp. 105, 114, 119.]

1898. Note on the Tunicate Fauna of Australian Seas. *Ann. Nat. Hist.* (7) 1, pp. 443–450. [180 sps.]

1898. On the Plankton collected . . . North Atlantic . . . &c. Appx. Note on dredging and tow-netting in Puget Sound, Pacific Coast. *Trans. Liverp. Biol. Soc.* XII, pp. 84–89. [pp. 86, 87.]

1898. Tunicata. *Zool. Record,* 1897 (XXXIV), 4 pp.

1899. Liverpool Marine Biology Committee. L. M. B. C. Memoirs. I. Ascidia. vi + 52 pp., 5 pls. 8°. Liverpool.

1899. Descriptive Catalogue of the Tunicata in the Australian Museum, Sydney, N. S. W. xviii + 139 pp., 45 pls. Austr. Mus. Sydney Cat. xvii. 8vo. Liverpool. [183 sps.]

1900. *Zool. Centralbl.* VII, pp. 375–376.

1899. Tunicata. *Zool. Record,* 1898 (XXXV), 8 pp.

1899. Twelfth Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XIII, pp. 21–55. [pp. 25, 26, 31.]

1900. L. M. B. C. Memoirs. No. I. Ascidia. *Trans. Liverp. Biol. Soc.* XIV, pp. 37–88, pls. i–v. [Reprint.]

1900. The Pelagic Tunicata [of Valencia Harbour]. *Proc. Roy. Irish Acad.* (3), V, pp. 749–751 (3 sps.).

1900. Thirteenth Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* XIV, pp. 89–128. [pp. 117–123 *passim.*]

1900. Tunicata. *Zool. Record,* 1899 (XXXVI), 7 pp.

1901. Fourteenth Annual Report of the Liverpool Marine Biology Committee . . . *Trans. Liverp. Biol. Soc.* XV, pp. 19–74, 7 pls. [pp. 25, 34, 62–63, 74, pls. i, vii.]

1901. Observations on Compound Ascidians. (In) Report on the Occupation of a Table at the Zoological Station at Naples. *Rep. Brit. Assoc.* 1900, pp. 384–386.

1901. Tunicata. *Zool. Record,* 1900 (XXXVII), 6 pp.

1902. Port Erin Biological Station. Guide to the Aquarium. *Trans. Liverp. Biol. Soc.* XVI, pp. 65–108, 22 figs. [pp. 103–105, f. xxi (5 figs.).] (And sep.) 44 pp. 8°. Liverpool. [pp. 39–41, f. xxi.]

1902. Tunicata. (In) Encyclopædia Britannica. Ed. 9, XXXIII (Suppl.), pp. 478–481, 10 figs. 4°. London.

HERDMAN, *W. A.*

1902. Tunicata. (In) Report on the Collections of Natural History made in the Antarctic Regions during the voyage of the "Southern Cross." VI, pp. 190–200, pls. xix–xxiii (10 sps.). 4°. London.

1903. *Zool. Centralbl.* X, p. 864.

1904. Ascidians and Amphioxus. (In) Cambridge Natural History, 9 vols. 8°. London, 1895–1909. Vol. VII, pp. 33–138, ff. 15–90. [pp. 33–111, ff. 15–68.]

1904. On a Phosphorescent Phenomenon in the Indian Ocean. *Rep. Brit. Assoc.* 1903, pp. 695–696. [p. 596 (*Appendicularia*).]

1904. Seventeenth Annual Report of the Liverpool Marine Biological Committee . . . *Trans. Liverp. Biol. Soc.* XVIII, pp. 17–44. [p. 39.]

1905. Ascidian classification. A remark on Professor Sluiter's Note. *Zool. Anzeig.* XXIX, p. 191.

1906. Port Erin Biological Station. Guide to the Aquarium. Ed. 2. *Trans. Liverp. Biol. Soc.* XX, pp. 67–136, 26 figs. [pp. 122–124, f. xxv (5 figs.).] (And sep.) 70 pp. 8°. Liverpool. [pp. 116–118, f. xxv.]

1906. Report on the Tunicata collected by Professor Herdman at Ceylon in 1902. *Rep. Pearl Oyster Fish.* V, pp. 295–348, pls. i–ix.

1907. *Zool. Centralbl.* XIV, p. 476.

1907. Address on some Problems of the Sea. *Trans. Liverp. Biol. Soc.* XXI, pp. 1–23. [pp. 13, 21.]

1908. Twenty-first Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XXII, pp. 33–82. [pp. 72, 76 (*Oikopleura*).]

1909. Twenty-second Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XXIII, pp. 35–90, ff. 5–23. [pp. 85–87 (*Oikopleura*).]

1910. Tunicata. (In) National Antarctic Expedition, 1901–1904. Natural History, V, 26 pp., 7 pls., 2 text-figs. 4°. London.

Herdman, *W. A., & James* **Johnstone.**

1906. Report on Investigations carried on during 1905 in connection with the Lancashire Sea-Fisheries Laboratory at the University of Liverpool, and the Sea-Fish Hatchery at Piel, near Barrow. *Trans. Liverp. Biol. Soc.* XX, pp. 145–335, 16 pls., 25 text-figs. [pp. 180–190.]

Herdman, *W. A., & P. M. C.* **Kermode.**

1905. Eighteenth Annual Report of the Liverpool Marine Biology Committee. *Trans. Liverp. Biol. Soc.* XIX, pp. 5–42. [p. 21.]

Herdman, *W. A., & Andrew* **Scott.**

1908. An intensive study of the Marine Plankton around the south end of the Isle of Man. *Trans. Liverp. Biol. Soc.* XXII, pp. 186–289, 13 figs. [pp. 263–264 (*Oikopleura*); and 200–236, 267–288, *passim.*] (And) *Rep. Lanc. Sea-Fish Lab.* 1907, pp. 94–197, 13 figs. [pp. 171–172; and 108–144, 175–196, *passim.*]

1909. An intensive study of the Marine Plankton around the south end of the Isle of Man. Part II. *Trans. Liverp. Biol. Soc.* XXIII, pp. 243–332, 16 figs. [pp. 307, 321, 322, 324 (*Oikopleura*).]

Herdman, *W. A., Andrew* **Scott,** *& W. J.* **Dakin.**

1910. An intensive study of the Marine Plankton around the south end of the Isle of Man. Part III. *Trans. Liverp. Biol. Soc.* XXIV, pp. 255–359, pls. A, B, 21 text-figs. [pp. 306–307, 311 (*Oikopleura*).]

Herdman, *W. A., & Henry Clifton* **Sorby.**

1882. On the Ascidians collected during the Cruise of the yacht 'Glimpse,' 1881. *Journ. Linn. Soc. Lond., Zool.* XVI, pp. 527–536.

Hérouard, *Edgard.*

1898. Traité de Zoologie. *See* Delage, M. Y., & E. Herouard.

Herrmann, *G.*

1882. Sur la structure du cœur et du péricarde chez les Ascidies simples. *Compt. rend. Soc. Biol.* (7) IV, pp. 41–43.

Hertwig, *William August Oscar.*

1871. Untersuchungen über den Bau und die Entwickelung des Cellulose-Mantels der Tunicaten. *Jena. Zeitschr. Naturw.* VII (1873), 1, pp. 46–73, pls. iv–vi.

1874. *Zool. Record,* IX, p. 178.

1878. Beiträge zur Kenntniss der Bildung, Befruchtung, und Theilung des thierischen Eies. 3 Theil. *Morphol. Jahrb.* IV, 2, pp. 177–213, pls. ix–xi. [pp. 190, 191, pl. x, f. 17.]

1893. Die Zelle und die Gewebe. Grundzüge der allgemeinen Anatomie und Physiologie. 8°. Jena. [p. 171.]

Hertwig, *Carl Wilhelm Theodor Richard.*

1871. Beiträge zur Kenntniss des Baues der Ascidien. *Jena Zeitschr. Naturw.* VII (1873), 1, pp. 74–102, pls. vii-ix.

1874. *Zool. Record*, IX, p. 178.

1891. Lehrbuch der Zoologie. 2 Theil. 8°. Jena, 1891–92. [1, pp. 273–280, ff. 258–264.]

1900. Lehrbuch der Zoologie. Ed. 5. 8°. Jena. [pp. 285–292, ff. 258–264.]

1903. A Manual of Zoology. Transl. by J. S. Kingsley. 8°. London. [pp. 505–512, ff. 543–551, 652.]

Hesdoerffer, *M.*

1904. Leitfaden für Aquarienfreunde. *See* Zernecke, E., & M. Hesdoerffer.

Hess, *W.*

1891. Spezielle Zoologie. (?) 2 vols. 8°. Stuttgart. [II, p. 74, figs.] (*Fide* Matzdorff.)

Hesse, *C. Eugène.*

1862. Observations sur des Crustacés rares ou nouveaux des Côtes de France. I. *Ann. Sci. nat.* (4), Zool. XVIII, pp. 343–355, pl. xviii. [p. 350 (Parasitism).]

1864. Observations sur des Crustacés rares ou nouveaux. III. *Ann. Sci. nat.* (5), Zool. I, pp. 333–358, pls. xi, xii. [pp. 333–338; 342–355 *passim* (Parasitism).]

Hesse, *Richard.*

1910. Der Tierkörper als selbständiger Organismus. 8°. Leipzig & Berlin. [see Index: Ascidien, Salpen, Tunikaten; ff. 23, 73, 74, 283, 327, 331.]

Heymons, *Richard.*

1895. [Ueber Chun's] "Das Knospungsgesetz der proliferirenden Medusen." *Sitzber. Ges. nat. Freunde Berlin,* 1895, pp. 19–21. [pp. 20–21.]

1897. Observation sur le précédent mémoire de Chun. *Année biol.* I, pp. 409–410. [p. 409.]

Hickson, *Sydney J.*

1894. The Fauna of the Deep Sea. 8°. London. [pp. 140, 142–147, f. 20.]

Hilger, *Albert.*

1865. Zur Kenntniss der Mineralbestandtheile der Echinodermen und Tunicaten. *Arch. ges. Physiol.* X, pp. 212–215.

Hill, *John.*

1752. A general Natural History . . . 3 vols. fol. London, 1748–52. [III, pp. 92–94, pl. v.]

Hill, *M. D.*

1895. Notes on the fecundation of the Egg of *Sphærechinus granularis,* and on the maturation and fertilization of the Egg of *Phallusia mammillata. Qrt. Jrn. Micr. Sci.* (2) XXXVIII (1896), pp. 315–330, pl. xvii.

1899. *Arch. Naturg.* LX, II, 3, p. 18.

1896. The maturation and fecundation of the Ova of certain Echinoderms and Tunicates. *Rep. Brit. Assoc.* 1895, pp. 475–477. [*Phallusia mamillata.*]

Hjort, *Johan.*

1892. Zum Entwicklungscyclus der zusammengesetzten Ascidien. *Zool. Anzeig.* XV, pp. 328–332.

1893. A contribution to the Developmental Cycle of the Compound Ascidians. (Transl.) *Ann. Nat. Hist.* (6) XI, pp. 335–338.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 17–18.

1893. Ueber den Entwicklungscyclus der zusammengesetzten Ascidien. *Mitth. Zool. Stat. Neapel,* X, 4, pp. 584–617; pls. xxxvii–xxxix.

1894. Beitrag zur Keimblätterlehre und Entwickelungsmechanik der Ascidienknospung. *Anat. Anzeig.* X, pp. 215–229, 5 figs.

1895. *Zool. Jahresb.* 1894, Tunicata, p. 89.

1894. Ueber die Knospung von *Distaplia magnilarva. Anat. Anzeig.* X, pp. 389–394.

1895. Hydrografisk-biologiske Studier over Norske Fiskerier. 8°. Christiania. [pp. 40, 42, 48 (*Appendicularia* and *Oithonella*).]

1896. Kimbladstudier paa grundlag af Ascidiernes udvikling. (Germ-layer Studies based upon the development of Ascidians.) (In) Den Norske Nordhavs-Expedition, 1876–78. XXIII. Zoologi. (The Norwegian North-Atlantic Expedition, 1876–78. Zoology.) Tunicata, 5. iv+72 pp., pls. ix–xii, 17 text-figs. 4°. Christiania.

(Norwegian and English in parallel columns.)

1897. *Zool. Jahresb.* 1896, Tunicata, p. 5.

1899. *Arch. Naturg.* LX, II, 3, p. 16.

1909. Norwegian Fishery and Marine Investigation. *See* Apellöf, A.

Hjort, *J., & Kristine* **Bonnevie.**

1895. Ueber die Knospung von *Distaplia magnilarva*. *Anat. Anzeig.* X, pp. 389–394, 3 figs.

Hodgson, *Thomas Vere.*

1895. Notes on the Pelagic Fauna of Plymouth, Aug.–Dec. 1895. *Jrn. Marine Biol. Assoc.* (N. S.) IV, pp. 173–178 [pp. 174–176.]

1899. *Arch. Naturg.* LX, II, 3, p. 40.

1905. Results of the National Antarctic Expedition. V. Preliminary Report of the Biological Collections of the "Discovery." *Geogr. Jrn.* XXV, pp. 396–400. [p. 399.]

Hoeven, *Jan van der.*

1830. Handboch der Dierkunde. 2 vols. 8°; atlas, 4°. Amsterdam, 1827–33. [II, pp. 27–33.]

1856. Handbook of Zoology. Transl. by Rev. W. Clark. 2 vols. 8°. Cambridge, 1856–58. [I, pp. 697–707.]

Hogg, *Jabez.*

1867. The Microscope, its History, Construction, and Application. Ed. 6. 8°. London. [p. 532.]

(Ed. 15, 1898 [p. 549].)

Holder, *Charles Frederick.*

1885. Marvels of Animal Life. 8°. London. [pp. 192–195.]

1887. Living Lights, a popular account of Phosphorescent Animals and Vegetables. 8°. London. [pp. 80–90, pls. xvi, xvii.]

Holland, *Philemon.*

1601. Historie of the World. *See* PLINY.

Hollard, *Henri Louis Gabriel Marc.*

1836. Précis d'Anatomie comparée. 12°. Bruxelles. [p. 85.]

1838. Nouveaux Éléments de Zoologie, . . . 2 pts. 8°. Paris, 1836–38. [2, pp. 42–44.]

Holt, *Ernest W. L.*

1891. Survey of Fishing Grounds, West Coast of Ireland, 1890–1891. *Sci. Proc. Roy. Dublin Soc.* (N. S.) VII, pp. 388–477. [pp. 465, 471 (*Molgula* and *Pelonaia*).]

1903. The public Oyster Beds on the coasts of Counties Wicklow and Wexford. *Rep. Fisheries Ireland,* 1901. II, appx. ii, pp. 4–36. [pp. 19, 33 (*Ciona intestinalis*).]

Home, *Sir Everard.*

1814. Lectures on Comparative Anatomy: 6 vols. 4°. London, 1814–28. [I, pp. 366–370; II, pls. lxxi–lxxiv.]

Hornell, *James.*

1893. Notes on Animal colouration. (Series I.) *Jrn. Marine Zool.* I, 1, pp. 1–8. [p. 7 (*Circinalium concrescens*).]

1893. Microscopical Studies in Marine Zoology. *Jrn. Marine Zool.* I, 1, pp. 15–23, pls. i, ii. [pp. 20–23, pl. ii (*Salpa mucronata democratica*).]

1893. Zoology of the Channel Islands. By J. Sinel and J. H. (In) The Channel Islands. By the late D. T. Ansted and the late R. G. Latham. Ed. by E. Toulmin Nicolle. Tunicata by J. Hornell. [pp. 186–188.]

1894. The Colour scale in Marine Animals. *Jrn. Marine Zool.* I, 2, pp. 33–34. [p. 34 (Leptoclinidæ).]

1894. Contributions to the Study of Variation. *Jrn. Marine Zool.* I, 3, pp. 55–62, pl. v. [p. 62, pl. v, ff. A–C (*Salpa*).]

1894. Microscopical Studies in Marine Zoology. *Jrn. Marine Zool.* I, 4, pp. 93–110, pls. ix–xi. [pp. 104–109, pl. x, ff. 4–7 (*Aplidium elegans*).]

1895. A Contribution to the zoning of the Shore. *Jrn. Marine Zool.* II, 4, pp. 9–11. [p. 10.)

1895. The use of Formalin as a preservative fluid. *Jrn. Marine Zool.* II, 6, pp. 56–58. [pp. 57–58.]

Houttuyn, *Martin.*

1772. Naturlyke Historie, of uitvoerige beschryving der Dieren, Planten, en Mineralen, . . . 3 vols. 8°. Amsterdam, 1761–85. [I, 17, De Zee-Gewassen, pp. 398–403, 407–408, 412–414.)

Howe, *Freeland.*

1901. Report of a dredging expedition off the southern coast of New England, September, 1899. *Bull. U. S. Fish. Comm.* XIX, pp. 237–240. [p. 240 (4 sps.).]

Hoyle, *William Evans.*

1889. On the deep-water Fauna of the Clyde Sea-area. *Jrn. Linn. Soc. Lond.*, Zool. XX (1890), pp. 442–472. [pp. 448–449 (9 sps.).]

1891. Luminous Animals. *Trans. Manch. Micr. Soc.* 1890, pp. xxviii–xlv. [p. xxxviii.]

1899. General Guide to the Natural History Collections. Owens College Museum Handbooks, 26. 8°. Manchester. [pp. 42, 75.]

Hubrecht, *A. A. W.*

1883. On the ancestral form of the Chordata. *Qrt. Jrn. Micr. Sci.* (N. S.) xxiii, pp. 349–368, pl. xxiii. [p. 349.]

Huitfeldt-Kaas, *Henrich Jörgen.*

1896. Synascidiæ. (In) Den Norske Nordhavs-Expedition, 1876–78. XXIII Zoologi. (The Norwegian North-Atlantic Expedition, 1876–78. Zoology.) Tunicata, 1. 27 pp., pls. i, ii. 4°. Christiania.

(Norwegian and English in parallel columns.)

1899. *Arch. Naturg.* LX, II, 3, pp. 53–54.

Huitfeldt-Kaas, *H. J., R.* **Hartmeyer,** *& J.* **Kiær.**

1905. Tunicata. (In) Hydrographical and Biological Investigations in Norwegian Fjords. By O. Noordgard. 254 pp., 21 pls., 10 text-figs. [pp. 189–190.]

Humphreys, *Henry Noel.*

1857. Ocean Gardens: . . . 8°. London. [p. 86, pl. vii, f. 3 (Ascidians).]

Hunter, *George William, jun.*

1898. Notes on the finer structure of the Nervous System of *Cynthia partita* (Verrill). *Zool. Bull. Woods Holl,* II, pp. 99–115, 6 figs.

1898. Notes on the peripheral Nervous System of *Molgula manhattensis. Jrn. Comp. Neurology,* VIII, pp. 202–206, 3 figs.

1902. The structure of the Heart of *Molgula manhattensis* (Verrill). *Anat. Anzeig.* XXI, pp. 241–246, 3 figs.

1902. Heart of *Molgula manhattensis. Jrn. R. Micr. Soc.* 1902, p. 548.

1903. *Zool. Jahresb.* 1902, Tunicata, p. 2.

1903. Notes on the heart-action of *Molgula manhattensis* (Verrill). *Amer. Jrn. Physiol.* X, 1, pp. 1–27, 4 figs.

Hupé, *Louis Hippolyte.*

1854. Mollusca. (In) Claude Gay's Historia fisica y politica de Chile, . . . Zoologia, VIII. 8°. Paris. [pp. 385–394.]

Hurst, *C. Herbert.*

1896. Fauna of Belfast Lough. *Irish Naturalist,* V, pp. 271–272. [p. 272 (6 sps.).]

Hutton, *Frederick Wollaston.*

1873. Catalogue of the Marine Mollusca of New Zealand. Colon. Mus. & Geol. Surv. Dept. 8°. Wellington. [pp. 104–106, pl., f. 5.]

Hutton, *F. W.*

1904. Index Faunæ Novæ Zealandiæ. 8°. London. [pp. 55–56 (25 sps.).]

1907. *Arch. Naturg.* LXVII, II, 3, pp. 593-594.

Huxley, *Thomas Henry.*

1851. Observations upon the anatomy and physiology of *Salpa* and *Pyrosoma*. *Phil. Trans. Roy. Soc.* 1851, 2, pp. 567–594, 603, 604, pls. xv–xvii.

1852. Anatomie et physiologie des *Salpa* et *Pyrosoma*. *Arch. Sci. phys. nat.* XX, pp. 158–159.

1852. Sur l'anatomie et la physiologie du Salpe et du Pyrosome. *Institut*, XIX, pp. 293-294.

1851. Remarks upon *Appendicularia* and *Doliolum*, two genera of the Tunicata. *Phil. Trans. Roy. Soc.* 1851, 2, pp. 595–605, pl. xviii.

1851. Sections of the principal types of the Ascidian family. *Phil. Trans. Roy. Soc.* 1851, 2, p. 605, pl. xix.

1852. Upon Animal Individuality. *Proc. Roy. Inst.* I (1854), pp. 184–189. [*Salpa, passim.*]

1853. Observations on the existence of Cellulose in the Tunic of Ascidians. *Qrt. Jrn. Micr. Sci.* I, pp. 22–24.

1853. On the Morphology of Cephalous Mollusca, . . . *Phil. Trans. Roy. Soc.* CXLIII, 1, pp. 29–65, pls. ii–v. [pp. 62–63.]

1853. Researches into the Structure of the Ascidians. *Rep. Brit. Assoc.* 1852, Sect. pp. 76–77.

1853–56. (Articles in) English Cyclopædia. Natural History. 4 vols. 4°. London. [I (1853), cols. 608–609, ff. *a*, *h*, col. 1130; II (1854), col. 280; III (1855), cols. 621, 632, 683–685, f. 7; IV (1856), cols. 654–656, 4 (9) figs., 1136–1139, 5 (7) figs.]

1856. Further Observations on the Structure of *Appendicularia Flabellum* [male pro *flagellum*] (Chamisso). *Qrt. Jrn. Micr. Sci.* IV, pp. 181–191, pl. x.

1857. Tunicata. (In) Icones Zootomicæ. By J. V. Carus. I. Die Wirbellosen Thiere. fol. Leipzig. [pl. xviii.]

1860. On the Anatomy and Development of *Pyrosoma*. *Trans. Linn. Soc. Lond.* XXIII (1862), 1, pp. 193–250, pls. xxx, xxxi.

1860. On the Development of *Pyrosoma*. *Ann. Nat. Hist.* (3) V, pp. 29–35.

1861. On the nature of the earliest stages of the development of Animals. *Proc. Roy. Inst.* III (1862), pp. 315–317. [*Pyrosoma.*]

Huxley, *T. H.*

1864. Lectures on the Elements of Comparative Anatomy. 8°. London. [pp. 29–33, 80, ff. 10, 11.]

1869. An Introduction to the Classification of Animals. 8°. London. [pp. 30–33, 82, 115–116, ff. 11, 12.]

1875. On the Classification of the Animal Kingdom. *Jrn. Linn. Soc. Lond.*, Zool. XII (1876), pp. 199–226. [pp. 210–217, 222–226 *passim*.]

1877. Manual of the Anatomy of Invertebrated Animals. 12°. London. [pp. 595–620.]

1898–1902. The Scientific Memoirs of Thomas Henry Huxley. Ed. by Prof. Michael Foster and Prof. E. Ray Lankester. 5 vols. 8°. London, 1898–1903. I (1898), 7, pp. 38–68, pls. v–vii; 8, pp. 69–79, pls. viii, ix; 15, pp. 146–151 [*Salpa, passim*]; 16, pp. 152–193, pls. xvii–xx [pp. 169, 172, 191–192]; 18, pp. 194–196; 21, pp. 221–223; 41, pp. 449–460, pl. xxviii. II (1899), 17, pp. 313–387, pls. xxix, xxx; 20, pp. 400–402 [*Pyrosoma*]. IV (1902), 5, pp. 35–60 [pp. 50–52, 56–60 *passim*].

Hyatt, *Alpheus.*

1885. Larval Theory of the origin of cellular tissues. *Proc. Boston Soc. Nat. Hist.* XXIII (1888), 1, pp. 45–163. [pp. 121–123.]

I.

Ihering, *Hermann von.*

1878. Molluscoidea. A. Tunicaten und Brachiopoden. *Jahresb. Anat. Physiol.* VI, 2, pp. 90–97.

Ihle, *Johan Egbert Willem.*

1906. Bijdragen tot de kennis van de Morphologie en Systematiek der Appendicularien. viii + 98 pp., 3 pls., 10 text-figs. 8°. Leiden.

1907. *Zool. Jahresb.* 1906, Tunicata, p. 2.

1907. Ueber den Endostyl und die systematische Stellung der Appendicularien. *Zool. Anzeig.* XXXI, pp. 770–776, 1 fig.

1907. Endostyle of *Appendicularieæ*. *Jrn. R. Micr. Soc.* 1907, p. 417.

1908. *Zool. Jahresb.* 1907, Tunicata, p. 2.

1908. Die Appendicularien der Siboga-Expedition nebst Beiträgen zur Kenntnis der Anatomie dieser Gruppe. Siboga-Expeditie, Monogr. 56c, 123 pp., 4 pls., 10 text-figs. 4°. Leiden.

1909. *Zool. Jahresb.* 1908, Tunicata, p. 2.

1908. *Oikopleura megastoma* Aida, identisch mit *Megalocercus huxleyi* (Ritter). *Zool. Anzeig.* XXXII, pp. 775–776.

Ihle, *J. E. W.*

1910. Die Thaliaceen (einschliesslich Pyrosomen) der Siboga-Expedition. (In) Siboga-Expeditie, Monogr. 56 *d*, 58 pp., 1 pl. (*Cyclosalpa* and *Salpa*), 6 text-figs. 4°. Leiden.

1910. Ueber die sogenannte metamere Segmentierung des Appendicularienschwanges. *Zool. Anzeig.* XXXV, pp. 404–407.

Imperato, *Ferrante.*

1599. Dell' Historia Naturale de F. Imperato . . . libri xxviii. fol. Napoli. [p. 729, fig. on p. 734 (*Balla marina*).]

1762. Historia Naturale di F. Imperato . . . da G. M. Ferro. fol. Venetia. [p. 637, fig. on p. 641 (*Balla marina*).]

(The first edition appeared in 1559.)

Isert, *Arthur.*

1903. Untersuchung über den Bau der Drüsenanhänge des Darms bei den Monascidien. *Arch. Naturgesch.* LXIX, 1, pp. 237–296, pls. xii–xv.

1903. Digestive Glands of Monascideæ. *Jrn. R. Micr. Soc.* 1903, pp. 489–490.

J.

Jacobsohn, *Georg.*

1892. [On the Tunicata of the White Seas.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.*, Trudui, XXIII, 2, pp. 156–167. Ueber die Tunicaten des weissen Meeres. (Abstr.) p. 168.

Jameson, *Robert.*

1811. Catalogue of Animals, of the class Vermes, found in the Firth of Forth, and other parts of Scotland. *Mem. Wernerian Soc.* I, pp. 550–565. [pp. 556–557, 562 (4 sps.).]

Jammes, *Léon.*

1904. Zoologie pratique basée sur la dissection des Animaux les plus répandus. 8°. Paris. [pp. 299–310, ff. 175–179.]

Jeffreys, *James Gywn.*

1867. Dredging among the Hebrides. *See* Alder, J.

Jelgersma, *G.*

1906. Der Ursprung des Wirbeltierauges. *Morph. Jahrb.* XXXV, 1, pp. 377–394, pl. ix. [pp. 382–394, pl. ix (Ascidienlarven).]

1909. Origine de l'œil des Vertébrés. *Année biol.* XI, pp. 341–342. [p. 342.]

Jenkinson, *John Wilfred.*

1909. Experimental Biology. 8°. Oxford. [pp. 5, 24, 26, 47, 54, 140, 229–240; 241–281 *passim*; ff. 140–147.]

Jhering, *Hermann von.*

1878. Molluscoidea. *See* Ihering, H. von.

Johnson, *D. G.*

1907. *Cyclosalpa.* *See* Brooks, W. K., & D. G. Johnson.

Johnson, *Myrtle Elizabeth.*

1910. A quantitative study of the Development of the Salpa chain in *Salpa fusiformis-runcinata.* *Univ. California publ.*, Zool. VI, pp. 145-176.

1910. Development of Salpa chain. *Jrn. R. Micr. Soc.* 1910, pp. 564–565.

Johnston, *George.*

1830–34. An Introduction to the Natural History of Molluscous Animals. *Mag. Nat. Hist.* (1) Vols. II–VIII, 1829–35. III (1830), pp. 525–535, ff. 129–132. [pp. 534–535, f. 132.] V (1832), pp. 31–43. [p. 41.] V (1832), pp. 611–630, ff. [pp. 628–630, f. 109.] VI (1833), pp. 235–247, ff. [pp. 241–245, ff. 30–35.]

1834. Illustrations in British Zoology. *Mag. Nat. Hist.* (1) V–IX, 1833–36. [VII (1834), pp. 13–17 (*Aplidium*).]

1840. The Molluscous Animals. (In) Cuvier's Animal Kingdom. 8°. London. [pp. 382–384.]

1850. An Introduction to Conchology; . . . 8°. London. [pp. 7–605 *passim*; ff. 20 (p. 125), 43 (p. 249), 48–53 (pp. 280–282), 69 (p. 341), 82, 83 (pp. 458, 459).]

Johnstone, *James.*

1904. Trawling Observations and Results. *Trans. Liverp. Biol. Soc.* XVIII, pp. 100–112. [p. 106 (*Oithona similis*).] (And) *Rep. Lanc. Sea-fish. Lab.* 1903, pp. 20–32. [p. 26.]

1905. Trawling Observations and Resnlts. *Trans. Liverp. Biol. Soc.* XIX, pp. 216–241. [pp. 221 (Ascidians), 227 (*Oikopleura*).] (And) *Rep. Lanc. Sea-fish. Lab.* 1904, pp. 36–61. [pp. 41, 47.]

1906. Lancashire Sea-Fisheries. *See* Herdman, W. A., & J. Johnstone.

1906. Marine Zoology. (In) Victoria History of the County of Lancaster. 1, pp. 87–96. 8°. London. [pp. 93, 96.]

1906. Trawling Observations. *Trans. Liverp. Biol. Soc.* XX, pp. 232–251, ff. 8, 9. [p. 245.] (And) *Rep. Lanc. Sea-fish. Lab.* 1905, pp. 88–107. [p. 101.]

1908. Conditions of Life in the Sea. 8°. Cambridge. [pp. 67, 69.]

Joliet, *Lucien.*

1881. Sur le bourgeonnement du Pyrosome. *Compt. rend. Acad. Sci.* XCII, pp. 473–475.

1881. Budding of *Pyrosoma*. *Jrn. R. Micr. Soc.* (2) I, pp. 438–439.

1883. *Zool. Jahresb.* 1882, III, pp. 10–11.

1881. Remarques sur l'Anatomie du Pyrosome. *Compt. rend. Acad. Sci.* XCII, pp. 1013–1015.

1883. *Zool. Jahresb.* 1882, III, p. 10.

1881. On the Anatomy of *Pyrosoma*. (Transl.) *Ann. Nat. Hist.* (5) VII, pp. 492–493.

1882. *Arch. Naturg.* XLVIII, II, pp. 513–514.

1882. Sur le développement du Ganglion et du "Sac cilié" dans le bourgeon du *Pyrosoma*. *Compt. rend. Acad. Sci.* XCIV, pp. 988–991.

1882. On the development of the Ganglion and of the "ciliated Sac" in the Bud of *Pyrosoma*. (Transl.) *Ann. Nat. Hist.* (5) IX, pp. 409–412.

1883. *Zool. Jahresb.* 1882, III, p. 10.

1883. Observations sur la blastogénèse et sur la génération alternante chez les Salpes et les Pyrosomes. *Compt. rend. Acad. Sci.* XCVI, pp. 1676–1679.

1883. Observations on Blastogenesis and Alternation of Generations in the Salpæ and Pyrosomata. (Transl.) *Ann. Nat. Hist.* (5) XII, pp. 70–72.

1884. *Zool. Jahresb.* 1883, IV, p. 14.

1887. *Arch. Naturg.* LI, II, 3, pp. 127–128.

1888. Études anatomiques et embryogéniques sur le *Pyrosoma giganteum*, suivies de recherches sur la faune de Bryozoaires de Roscoff et de Menton. 112 pp., 5 pls. 8°. Paris.

1889. Structure of *Pyrosoma*. *Jrn. R. Micr. Soc.* 1889, pp. 46–47.

Joliet, *F., & J.* **Sellier.**

1899. Contributions à l'étude de la physiologie comparée de la contraction musculaire chez les Animaux Invertébrés. *Trav. Stat. zool. d'Arcachon*, 1899, pp. 49–92, 56 figs. [p. 63, f. 10 (*Ascidia intestinalis*).]

Jones, *Thomas Rupert.*

1850. Tunicata. (In) Todd's Cyclopædia of Anatomy and Physiology, IV, 40, pp. 1185–1243. 8°. London.

Jones, *Thomas Rymer.*

1841. A General Outline of the Animal Kingdom, and Manual of Comparative Anatomy. 8vo. London. [pp. 368–375.]

JONES, *T. R.*

1851. A General Outline of the Organization of the Animal Kingdom. Ed. 4. 8°. London. [pp. 517–532, ff. 385–393.]

(Ed. 2 in 1855 [pp. 486–497]; ed. 3 in 1861 [pp. 479–490].)

1858. The Aquarian Naturalist. A Manual for the Sea-side. 8°. London. [pp. 443–464, pl. viii, ff. 1–6.]

Jonstonus, *Johannes.*

1650. Historiæ naturalis de Exanguibus aquaticus libri IV. fol. Francofurti. [pp. 75–76, figs. on pls. xix, xx (*Tethys*); p. 77, fig. on pl. xx (*Mentula marina*); p. 78, fig. on pl. xx (*Uva marina*).]

(Other editions from 1567 to 1768.)

Jordan, *Hermann.*

1907. Ueber reflexarme Tiere. Ein Beitrag zur vergleichenden Physiologie des zentralen Nervensystems, vornehmlich auf Grund von Versuchen an *Ciona intestinalis* und Oktopoden. *Zeitschr. allg. Physiol.* VII, pp. 86–135, 2 pls. 1 text-fig.

Joubin, *L.*

1889. Sur la répartition des Nemertes dans quelques localités des côtes de France. *Compt. rend. Acad. Sci.* CIX, pp. 231–233. [pp. 232–233.]

1890. Recherches sur la faune des Turbellariés des côtes de France. *Compt. rend. Assoc. Français,* XVIII, 2, pp. 570–579. [p. 577 (Parasitism).]

1889. *Rev. biol. nord France,* I, pp. 468–472. [p. 471.]

1905. Cours d'Océanographie fondé à Paris par S. A. S. le Prince Albert de Monico. *Bull. Mus. océanogr. Monaco,* 45, 185 pp., 177 figs. [pp. 12, 91–93, ff. 50, 81 (*Salpa* and *Pyrosoma*).]

1906. *Zool. Zentralbl.* XIII, pp. 163–165. [p. 164.]

1906. Les larves et les metamorphoses des Animaux Marins. *Bull. Mus. Océanogr. Monaco,* 58. 36 pp., 36 figs. [pp. 29–30, ff. 29, 30.]

1906. Considérations sur la Faune des côtes de France. La répartition des animaux dans ses rapports avec la nature des rivages. Les côtes rochenses. *Bull. Mus. Océanogr. Monaco,* 71. 26 pp., 3 pls., 22 text-figs. [p. 21, ff. 10, 12 (pp. 11, 13).]

1906. Considérations sur la distribution des animaux sur les côtes océaniques de France. Les animaux des plages. *Bull. Mus. Océanogr. Monaco,* 72. 23 pp., 2 pls., 22 text-figs. [p. 18 (*Phallusia mamillata*).]

JOUBIN, *L.*

1906. La répartition des animaux marins sur les côtes françaises de la Méditerranée. *Bull. Mus. Océanogr. Monaco,* 74. 25 pp., 4 pls., 22 text-figs. [p. 16, f. 11 (*Cynthia papillosa,* p. 13).]

1907. La Presqu' île de Quiberon. *Bull. Mus. Océanogr. Monaco,* 92. 24 pp., 4 pls., 9 text-figs. [p. 16.]

Jourdain, *S.*

1885. Sur les Ascidies composées de la tribu des Diplosomidæ. *Compt. rend. Acad. Sci.* C, pp. 1512–1514.

1885. The Synascidian Diplosomidæ. *Jrn. R. Micr. Soc.* (2) V, pp. 796-797.

1886. Observations sur la blastogénèse continue du *Botrylloides rubrum* M. E. *Compt. rend. Acad. Sci.* CIII, pp. 1086–1088.

1887. Blastogenesis of *Botrylloides rubrum. Jrn. R. Micr. Soc.* 1887. pp. 65–66.
1888. *Arch. Naturg.* LII, II, 3, p. 221.

1892. De la déglutition chez les Synascidies. *Bull. Soc. philom. Paris,* (8) IV, 1, pp. 35–36.

1892. On Deglutition in the Synascidiæ. (Transl.) *Ann. Nat. Hist.* (6) X, pp. 482–483.

1893. *Zool. Jahresb.* 1892. Tunicata, p. 3.
1897. *Arch. Naturg.* LIX, II, 3, p. 26.

1892. Sur l'embryogénie des *Sagitta. Compt. rend. Acad. Sci.* CXIV, pp. 28–29. [p. 29.]

Jourdan, *E.*

1891. Die Sinne und Sinnesorgane der niederen Thiere. 8°. Leipzig. [pp. 123–124.]

Julin, *Charles.*

1881. Etude sur l'hypophyse des Ascidies et sur les organes qui l'avoisinent. *Bull. Acad. Sci. Belg.* (3) I, pp. 151–170, 895–900.

1882. Sur l'hypophyse chez *Ascidia compressa* et *Phallusia mamillata. Arch. Zool. expér.* X, p. vi.

1881. Recherches sur l'organisation des Ascidies simples. Sur l'hypophyse et quelques organes qui s'y attachent, dans les genres *Corella, Phallusia,* et *Ascidia. Arch. Biologie,* II, pp. 59–126, pls. iv–vii.

1881. *Bull. Acad. Sci. Belg.* (3) I, pp. 151–170, 895–900.
1882. *Zool. Jahresb.* 1899. III, pp. 2–3.

JULIN, *C.*

1881. Recherches sur l'organisation des Ascidies simples. Sur l'hypophyse et quelques organes qui s'y rattachent chez *Ascidia compressa* et *Phallusia mamillata*. *Arch. Biologie*, II, pp. 211–232, pl. xiv.

1881. Organization of the simple Ascidians. *Jrn. R. Micr. Soc.* (2) 1, pp. 590–592, 726–727.

1881. Die Hypophysis der Seescheiden. *Kosmos*, IX, pp. 387–389.

1884–86. Segmentation chez les Ascidiens (1884). Système nerveux central des Ascidies (1884). Orifices branchiaux externes des Ascidies (1884). Développement d'une Phallusie (1885). Morphologie des Tuniciers (1886). *See* BENEDEN, E. van, & C. JULIN.

1890. Culture of the Larvæ of Ascidians, Worms, etc. *Amer. Naturalist*, XXIV, pp. 1217–1218.

1892. Les Ascidiens des côtes du Boulonnais. I. Recherches sur l'anatomie et l'embryogénie de *Styelopsis grossularia*.— Introduction. *Bull. sci. France Belg.* XXIV, pp. 1–52.

1892. Les Ascidiens des côtes du Boulonnais. I. Recherches sur l'anatomie et l'embryogénie de *Styelopsis grossularia* (gen. Traustedt, sp. P. J. van Beneden). *Bull. sci. France Belg.* XXIV, pp. 208–259.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 3, 12–13.

1893. Structure et développement des glandes sexuelles: ovogénèse, spermatogénèse, et fécondation chez *Styelopsis grossularia*. *Bull. sci. France Belg.* XXV, pp. 93–154.

1897. *Arch. Naturg.* LIX, II, 3, pp. 4–5.

1896. Recherches sur la blastogénèse chez *Distaplia magnilarva* et *D. rosea*. *Compt. rend. Congr. internat. Zool.* III (Leyde), pp. 507–524, 13 figs.

1897. *Zool. Centralbl.* IV, pp. 883–885.

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 4–5.

1899. Contribution à l'histoire phylogénétique des Tuniciers. Recherches sur le développement du péricarde, du cœur, et les transformations de l'epicarde chez les Ascidies simples. *Trav. Stat. zool. Wimereux*, VII, pp. 311–366, pls. xxi–xxiii.

1900. *Zool. Jahresb.* 1899, Tunicata, pp. 6–7.

1899. Miscellanées biologique. 8°. Paris. (*Fide* Matzdorff.)

1900. Nouvelles études sur les phénomènes intimes de la maturation de l'œuf et de la fécondation chez les Tuniciers. *Compt. rend. Assoc. France*, XXVIII, p. 262.

Julin, *C.*

1904. Recherches sur la phylogenèse des Tuniciers. *Archiascidia neapolitana* nov. gen., nov. sp. *Mitth. zool. Stat. Neapel*, XVI, pp. 489–552, pl. xx.

1905. *Archiascidia neapolitana*. *Jrn. R. Micr. Soc.* 1905, p. 303.
1905. *Zool. Jahresb.* 1904, Tunicata, p. 9.
1907. *Arch. Naturg.* LXVII, II, 3, pp. 588–589.

1904. Recherches sur la phylogenèse des Tuniciers. Développement de l'appareil branchial. *Zeitschr. wiss. Zool.* LXXVI, pp. 544–611, 42 figs.

1904. Development of Branchial Apparatus in Tunicata. *Jrn. R. Micr. Soc.* 1904, p. 301.

1909. Les embryons de *Pyrosoma* sont phosphorescents; les cellules du testa (calymnocytes de Salensky) constituent les organes lumineux du cyanthozoïde. *Compt. rend. Soc. Biol.* LXVI, pp. 80–82.

1909. Phosphorescence of *Pyrosoma*. *Jrn. R. Micr. Soc.* 1909, p. 180.
1910. *Zool. Jahresb.* 1909, Tunicata, p. 5.

K.

Kammerer, *Paul.*

1909. Seescheiden. *Blätt. Aq.-Terr.-Freunde,* XX, pp. 501–504, 537–540, 3 figs.

Kaup, *Johann Jacob.*

1837. Das Thierreich in seinen Hauptformen systematische beschreiben. 3 vols. 8°. Darmstadt, 1835–37. [III, 2, pp. 37–40, 1 fig. (*Salpa Tilesii*).]

Keferstein, *Wilhelm Moritz.*

1865. Ueber die Contractionen des Herzens von *Perophera*. *Amtl. Ber. deutsch. Naturf.* XXXI (Giessen), pp. 165–166.

Keferstein, *W. M., & Ernst* **Ehlers.**

1860. Auszug aus einer Abhandlung über die Anatomie und Entwickelung von *Doliolum*. *Nachr. Ges. Göttingen,* 1860, pp. 289–295.

1861. Zoologische Beiträge gesammelt im Winter 1859–60 in Neapel und Messina. III. Ueber die Anatomie und Entwicklung von *Doliolum*, pp. 53–71, pls. ix–xi. IV. Bemerkungen über die Anatomie von *Pyrosoma*, pp. 72–77, pl. xii. 4°. Leipzig.

Keller, *Conrad.*

1882. Die Fauna im Suez-Kanal . . . *Neue Denkschr. schweiz Ges.* (=*Nouv. Mém. Soc. Helvet.*), XXVIII, 3, 39 pp., 2 pls. [p. 21 (*Ciona* and *Cynthia*).]

Kellner, *Carl.*

1907. Bericht über die Embryologie von *Oikopleura*. *Zool. Anzeig.* XXXI, pp. 653–654, 3 figs.

1907. Bericht über eine *Oikopleura*. *Johns Hopkins Univ. Circ.* XXVI, 3, p. 3.

1907. Embryology of *Oikopleura*. *Jrn. R. Micr. Soc.* 1907, p. 670.

1908. *Oikopleura tortugensis*. *See* Brooks, W. K., & C. Kellner.

Kemna, *Adolphe.*

1904. L'origine de la Corde dorsale. *Ann. Soc. malac. Belg.* XXXIX, pp. lxxxv–clvii. [pp. cxxvii–cxxx, cxliii–cxlviii, *et passim.*]

1904. Les structures cérébrales dorsales chez les Vertébrés inférieurs. *Ann. Soc. malac. Belg.* XXXIX, pp. clxvi–cci. [pp. clxxv, clxxvi.]

1906. "*Octanemus*," une Ascidie mégophage. *Ann. Soc. malac. Belg.* XLI, pp. 54–71.

1906. Revue de traveaux sur les Appendiculaires. *Ann. Soc. malac. Belg.* XLI, pp. 92–104.

1910. *Arch. Naturg.* LXXIV, II, 3, p. 5. [Above two memoirs.]

Kennel, *J. de.*

1887. Ueber Theilung und Knospung der Thiere. Festrede. 8°. Dorpat. [*Salpa.*] (*Fide* Matzdorff.)

1892. Sur une division definitive du règne animal en "phyla," . . . *Congr. internat. Zool.* II (Moscou), 1, pp. 68–73. [pp. 69–71 *passim.*]

Kent, *William Saville.*

1871. Notes on *Appendicularia* and the larval condition of an Acanthocephaloid Solecid from the coast of Portugal. *Qrt. Jrn. Micr. Sci.* (N. S.) XI, pp. 267–270, pl. xiv. [pp. 267–270, pl. xiv, ff. 1–4.]

Kerb, *Heinz.*

1907. Regeneration und Ueberwinterung bei Ascidien. *Sitzber. Ges. Freunde Berlin,* 1907, 6, pp. 167–170, pl. i. [*Clavelina lepadiformis.*]

1908. Winter-buds of *Clavelina lepadiformis*. *Jrn. R. Micr. Soc.* 1908, pp. 447–448.

1908. Biologische Beiträge zur Frage der Ueberwinterung. der Ascidien. *Arch. mikr. Anat.* LXXII, pp. 386–414, pl. xviii. [*Clavelina lepadiformis.*]

Kermode, *Philip M. C.*

1897. British Association Excursion to the Isle of Man, 24th to 29th September, 1896. *Lioar Manninagh* (*Jrn. I. Man N. H. Soc.*), III, 5, pp. 204–245. [p. 228.]

1905. Liverpool Marine Biology Committee. *See* HERDMAN, W. A., & P. M. C. KERMODE.

Kerr, *J. Graham.*

1908. Note on the Pelagic Fauna observed off the west coast of Africa . . . 1905. *Trans. N. H. Soc. Glasgow,* (N. S.) VIII, 1, pp. 1–5. [p. 5 (*Oikopleura dioica*).]

Kesteven, *H. Leighton.*

1909. Studies on Tunicata. No. 1. *Proc. Linn. Soc. N. S. Wales,* XXXIV, pp. 276–295, pls. xxv–xxvii.

1910. Australian Tunicates. *Jrn. R. Micr. Soc.* 1910, p. 25.

Kiær, *H.*

1904. Dyrelivet i Dröbaksund. *Nyt Mag. Naturvid.* XLII, 1, pp. 61–90, pls. ii, iii, 4 text-figs. [pp. 66–88 *passim* (6 sps.).]

Kiær, *Johan.*

1893. Oversigt over Norges Ascidiæ simplices. *Forh. Vid. Selsk. Christian.* 1893, 9, 105 pp., 4 pls.

1897. *Arch. Naturg.* LIX, II, 3, pp. 36–37.

1896. Fortegnelse over Norges Ascidiæ simplices. (A List of Norwegian Ascidiæ simplices.) (In) Den Norske Nordhavs-Expedition, 1876–78. XXIII. Zoologi. (The Norwegian North-Atlantic Expedition, 1876–78. Zoology.) Tunicata, 3. iv+23 pp. (40 sps.), pl. v. 4°. Christiania.

(Norwegian and English in parallel columns.)

1899. *Arch. Naturg.* LX, II, 3, p. 54. [List of sps.]

1905. Norwegian Tunicata. *See* HUITFELDT-KAAS, A., R. HARTMEYER, & J. KIÆR.

Kidder, *Jerome H.*

1876. Contributions to the Natural History of Kerguelin Island, . . . 1874–75. Pt. 2. *Bull. U. S. Nation. Mus.* I (= *Smithson. Misc. Coll.* XIII), 3, 122 pp. [pp. 48–49.]

King, *L. A. L., & E. S.* **Russell.**

1909. A method for the study of the Animal Ecology of the Shore. *Proc. Roy. Phys. Soc. Edinb.* XVII, pp. 225–253. [pp. 232, 243, 245, 246.]

Kingsley, *Charles.*

1879. Glaucus; or, the Wonders of the Shore. 8°. London. [pp. 140–141 (*Cynthia, Botryllus*).]

Kingsley, *John Sterling.*

1883. Some points in the Development of *Molgula manhattensis*. *Proc. Boston Soc. Nat. Hist.* XXI, pp. 441–451, pl. ix.

1887. *Arch. Naturg.* LI, II, 3, p. 129.

1885. Tunicata. (In) The Standard Natural History. 6 vols. 8°. Boston. [III, pp. 53–61, ff. 45–52.]

1901. Preliminary Catalogue of the Marine Invertebrata of Casco Bay, Maine. *Proc. Portland Soc.* II, 5, pp. 159–183. [pp. 182–183 (19 sps.).]

Kinkelin, *F., & O.* **Boettger.**

1905. Museumbericht. *Ber. senck. nat. Ges. Frankfurt a. M.* 1905, pp. 159–223. [p. 177 (4 sps.).]

Kinoshita, *Toosaku.*

1910. Ueber den Einfluss meherer aufeinanderfolgender wirksamer Reize auf den Ablauf der Reaktionsbewegungen bei Wirbellosen. 1. Versuche an Tunicaten. *Arch. ges. Physiol.* CXXXIV, pp. 501–530.

Kirkpatrick, *Randolph.*

1901. Guide to Shell and Starfish Galleries, British Museum. *See* Smith, A. C., F. J. Bell, & R. Kirkpatrick.

1906. Protozoa, . . . and Tunicata. (In) The history of the Collections contained in the Natural History Departments of the British Museum. 2 vols. 8°. London, 1904–6. II, pp. 765–782. [pp. 774–775, 782.]

Klaatsch, *Hermann.*

1895. Beiträge zur vergleichenden Anatomie der Wirbelsäule. III. Zur Phylogenese der Chordascheiden und zur Geschichte der Umwandlungen der Chordastructur. *Morphol. Jahrb.* XXII, 4, pp. 514–560, pls. xxii, xxiii. [pp. 517–523 *et passim*, pl. xxiii, ff. 1, 2 (*Ciona* and *Fragarium*).]

1895. Ueber Kernveränderungen im Ektoderm der Appendicularien bei der Gehäusebildung. *Morphol. Jahrb.* XXIII, pp. 142–144, 3 figs.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 5.

1897. Zur Frage nach der morphologischen Bedeutung der Hypochorda. *Morphol. Jahrb.* XXV (1898), 2, pp. 156–169, pl. x. [p. 163.]

1897. Bemerkungen über die Gastrula des *Amphioxus*. *Morphol. Jahrb.* XXV (1898), 2, pp. 224–243, pl. xii, 4 textfigs. [pp. 232–239, 241, ff. 1–4 (*Rhopalæa* and *Ascidia*).]

Klunzinger, *C. B.*

1903. Die zoologische Sammlung der technischen Hochschule in Stüttgart. 32 pp., fig. (?) 8°. Stuttgart. [12 sps.] (*Fide* Matzdorff.)

Knauer, *Friedrich.*

1887. Handwörterbuch der Zoologie. Unter Mitwirkung . . . von Dalta Torre. 8°. Stuttgart. [pp. 462–463, etc.]

Knipovitsch, *N.*

1893. Einige Worte über die Fauna und physikalisch-geographischen Verhältnisse der Bucht Dolgaja Guba (Solowetsky-Insel). *Rev. Sci. nat. St. Pétersb.* IV, pp. 44–57. [pp. 46–48 (13 sps.).]

1899. *Arch. Naturg.* LX, II, 3, p. 55. [List of sps.]

1893. Étude sur la répartion verticale des Animaux de long du littoral des îles Solovetsky et sur . . . les recherches sur la faune de la mer Blanche. *Congr. internat. Zool.* II (Moscou), 2, pp. 58–72. [pp. 61, 63, 66.]

1897. *Arch. Naturg.* LIX, II, 3, p. 38.

1895. Ueber den Reliktensee "Mogilnoje" auf der Insel Kildin an der Murman-Küste. *Bull. Acad. St. Pétersb.* (5) III, 5, pp. 459–473, 2 pls. [p. 469.]

1901. [Zoological Explorations on the ice-boat "Ermak" in the summer of 1901.] (In Russian.) *Ann. Mus. St. Pétersb.* VI, pp. i–xx, 1 map. [pp. iv, x, xi, xv.]

1905. *Arch. Naturg.* LXIV, II, 3, p. 135.

Knoll, *Ph.*

1892. Ueber protoplasmaarme und protoplasmareiche Muskulatur. *Denkschr. Akad. Wiss. Wien,* LVIII, pp. 633–700, 9 pls. [pp. 671–672, pl. v, ff. 19–25 (*Salpa*).]

1893. *Zool. Jahresb.* 1892, Tunicata, p. 7.

1897. *Arch. Naturg.* LIX, II, 3, p. 8.

1893. Ueber die Herzthätigkeit bei einigen Evertebraten und deren Beeinflussung durch die Temperatur. *Sitzber. Akad. Wiss. Wien,* CII, 3, pp. 387–405. [*passim.*]

1895. Cardiac Activity of Invertebrates. *Jrn. R. Micr. Soc.* 1895, pp. 165–166.

1897. *Arch. Naturg.* LIX, II, 3, p. 26.

1893. Ueber die Blutkörperchen bei wirbellosen Thieren. *Sitzber. Akad. Wiss. Wien,* CII, 3, pp. 440–478, pls. i, ii. [pp. 460–463, pl. ii, ff. 20–41, 51–55.]

1895. Blood-corpuscles of Invertebrates. *Jrn. R. Micr. Soc.* 1895, p. 167.

1897. *Arch. Naturg.* LIX, II, 3, p. 9.

Knudsen, *Martin.*

1903–8. Plankton. (In) Bull. Conseil Internat. Explor. Mer, D. 4°. Copenhague. 1902–3, pp. 85–111, 147–170, 223–316 (1903). [pp. 88–107, 148–166, 234–301, *passim.*] 1903–4, pp. 1–114 (1903), 115–230 (1904). [pp. 10–223 *passim.*] 1904–5, 185 pp. (1905). [pp. 4–181 *passim.*] 1905–6, 126 pp. and pp. 187–195 (1907). [pp. 40–117 *passim*, 193.] 1906–7, 124 pp. (1908). [pp. 5–122 *passim.*]

Koehler, *R.*

1886. Contributions à l'étude de la Faune littorale des îles Anglo-normandes. *Ann. Sci. nat.* (6) Zool. XX, 4, 62 pp., 1 pl. [pp. 9, 17–20, 31, 32, 39, 48, 53, 58–59 (40 sps.).]

1886. Contributions to the study of the Littoral Fauna of the Anglo-Norman Islands. (Transl.) *Ann. Nat. Hist.* (5, XVIII, pp. 220–243, 290–307, 351–367, pl. xi. [pp. 235, 242–243, 300, 301, 305, 357, 361, 364–365 (40 sps.).]

1887. *Arch. Naturg.* LI, II, 3, pp. 166–167. [List of sps.]

1890. Les Crustacés parasites des Ascidies. *Naturaliste*, XII, pp. 131–134, 136–138, ff. 1–12.

Koelliker, *Rudolph Albert von.*

1846. Enveloppes des Tuniciers. Cellulose dans les Tuniciers. *See* Loewig, *C., & R. A. von* Koelliker.

Koelliker, *R. A., & Carl* **Gegenbaur.**

1853. Ueber die Entwicklung von *Doliolum*, der Scheibenquallen, und von *Sagitta*. *Zeitschr. wiss. Zool.* V, 1, pp. 13–16, pl. i, ff. 7–9. [pp. 13–15, pl. i, ff. 7–9.]

Koenig, *Carl Dietrich Eberhard.*

1820. Icones fossilium sectiles. fol. London, [1820–25]. [p. 1, pl. i, f. 1 (*Leucophthalmus*, doubtful if a Tunicate).]

Kofoid, *Charles Atwood.*

1904. Biological Survey of the Waters of Southern California by the Marine Laboratory of the University of California at San Diego. *Science* (N. S.), XIX, pp. 505–508. [p. 507.]

Korotneff, *Alexis de.*

1883. Knospung der Anchinien. *Zool. Anzeig.* VI, pp. 483–487.

1884. *Zool. Jahresb.* 1883, IV, p. 16.

1884. Die Knospung der *Anchinia*. *Zeitschr. wiss. Zool.* XL, pp. 50–61, pls. iii, iv.

1884. Budding of *Anchinia*. *Jrn. R. Micr. Soc.* (2) IV, pp. 369–370.

KOROTNEFF, *A. de.*

1884. Noch etwas über die *Anchinia*. *Zool. Anzeig.* VII, pp. 89–90.

1891. La *Dolchinia mirabilis* (nouveau Tunicier). *Mitth. zool. Stat. Neapel*, X, pp. 187–205, pls. xii, xiii, 1 text-fig.

1892. *Dolchinia mirabilis*. *Jrn. R. Micr. Soc.* 1892, p. 467.
1893. *Zool. Jahresb.* 1891, Tunicata, pp. 11–13.

1893. Compte rendu d'un voyage scientifique dans les Indes Néerland. *Bull. Acad. Belgique*, (3) XIII, pp. 540–582.

1894. Embryonale Entwicklung der *Salpa democratica*. *Biol. Centralbl.* XIV, pp. 841–846, 6 figs.

1895. Development of *Salpa democratica*. *Jrn. R. Micr. Soc.* 1895, pp. 163–164.

1894. Tunicatenstudien. *Mitth. zool. Stat. Neapel*, XI, 3, pp. 325–367, pl. xiv–xvi, 9 text-figs. [*Salpa.*]

1895. *Zool. Jahresb.* 1894, Tunicata, pp. 11–13 (above two memoirs).

1895. Embryologie der *Salpa democratica* (*mucronata*). *Zeitschr. wiss. Zool.* LIX, 1, pp. 29–45, pl. iv.

1896. Development of *Salpa democratica*. *Jrn. R. Micr. Soc.* 1896, p. 49.

1895. Zur Entwicklung der Salpen. *Biol. Centralbl.* XV, pp. 831–833, 1 fig.

1896. *Zool. Jahresb.* 1895, Tunicata, pp. 13–14. [Above two memoirs.]

1896. Zur Embryologie von *Salpa cordiformis-zonaria* und *maculosa-punctata*. *Mitth. zool. Stat. Neapel*, XII, pp. 331–352, pls. xiii–xv.

1896. Development of *Salpa*. *Jrn. R. Micr. Soc.* 1896, pp. 506–507.

1896. Zur Embryologie von *Salpa runcinata-fusiformis*. *Zeitschr. wiss. Zool.* LXII, pp. 395–414, pls. xviii, xix.

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 10–12. [Above two memoirs.]
1898. *Zool. Centralbl.* V, pp. 425–426. [Above two memoirs.]

1898. Noch etwas über *Anchinia*. *Mitth. zool. Stat. Neapel*, XIII, pp. 426–432, pl. xii.

1898. Different forms of *Anchinia*. *Jrn. R. Micr. Soc.* 1898, p. 624.
1899. *Zool. Jahresb.* 1898, Tunicata, p. 6.

1899. Zur Embryologie von *Salpa maxima-africana*. *Zeitschr. wiss. Zool.* LXVI, pp. 625–636, pls. xxxviii–xl.

1900. Embryology of *Salpa*. *Jrn. R. Micr. Soc.* 1900, p. 35.
1900. *Zool. Jahresb.* 1899, Tunicata, p. 10.

1900. Zur Kenntnis der Embryologie der *Pyrosoma*. *Biol. Centralbl.* XX, pp. 793–799, 1 fig.

1901. *Zool. Jahresb.* 1900, Tunicata, pp. 7–8.

Korotneff, *A. de.*

1904. Notes sur les Cyclomyaires. *Mitth. zool. Stat. Neapel,* XVI, pp. 480–488, pl. xix, 2 text-figs.

1904. Ueber den Polymorphismus von *Dolchinia. Biol. Centralbl.* XXIV, pp. 61–65, 3 figs.

1904. Polymorphism of *Dolchinia. Jrn. R. Micr. Soc.* 1904, pp. 301–302.

1905. Note sur la Dolchinie. *Compt. rend. Congr. internat. Zool.* VI (Berne), pp. 389–391.

1905. Zur Embryologie von *Pyrosoma. Mitth. zool. Stat Neapel,* XVII, pp. 295–311, pls. xvii–xix, 4 text-figs.

1906. Embryology of *Pyrosoma. Jrn. R. Micr. Soc.* 1906, p. 297.

Korschelt, *Eugen.*

1906. Versuche an Lumbriciden und deren Lebensdauer im Vergleich mit andern wirbellosen Tieren. *Verh. deutsch. zool. Ges.* XVI, pp. 113–120. [p. 117.]

Korschelt, *Eugen, & Carl* **Heider.**

1893. Entwicklungsgeschichte der wirbellosen Thiere. Speciellen Theil. *See* Heider, C.

1902–10. Lehrbuch der vergleichenden Entwickelungsgeschichte der wirbellosen Thiere. Allgemeiner Theil. 2 vols. 8°. Jena. [I, Lief 1 (1902), pp. 125–127, 321–324, ff. 50, 51, 179–182. II, Lief 3 (1909), pp. 31–37, 166, ff. 12–16; Lief 4 (1910), pp. 443–462, ff. 306–321; pp. 710–860, 894–896, ff. 510–639.]

Kowalevsky, *Aleksandr Onufrievich.*

1867. Entwickelungsgeschichte der einfachen Ascidien. *Mém. Acad. Sci. St. Pétersb.* (7) X, 15, 19 pp. 3 pls. (And sep.) 4°. St. Petersburg & Leipzig. [*Phallusia* and *Ascidia.*]

1869. *Zool. Record,* V, p. 506.

1868. Beitrag zur Entwickelungsgeschicht der Tunikaten. 1. Entwicklung de *Pyrosoma.* 2. Entwicklung der Salpen. *Nachr. Ges. Göttingen,* 1868, pp. 401–415.

1870. Kinship of Ascidians and Vertebrates. *See* Foster, M.

1871. Embryologische Studien an Wurmer und Arthropoden. *Mém. Acad. Sci. St. Pétersb.* (7) XVI, 12, 70 pp., 12 pls. [pp. 29, 30.]

1871. Weitere Studien über die Entwicklung der einfachen Ascidien. *Arch. mikr. Anat.* VII, pp. 101–130, pls. x–xiii.

1872. Ueber die geschlechtslose Fortpflanzung des *Amaracium. Zeitschr. wiss. Zool.* XXII, 3, p. 285.

Kowalevsky, *A. O.*

1873. [The development of the buds in *Botryllus.*] (In Russian.) *Zapisky Kiev. Obshch.* III, pp. 305–310, pl. vii.

1874. Sur le bourgeonnement du *Perophora Listeri,* Weigm. (Transl.) *Rev. Sci. nat. Montpell.* III, pp. 213–235, pls. v–vii.

1874. Ueber die Knospung der Ascidien. *Arch. mikr. Anat.* X, pp. 441–470, pls. xxx, xxxi.

1876. *Zool. Record,* XI, pp. 194–195.

1875. Ueber die Entwickelungsgeschichte der *Pyrosoma. Arch. mikr. Anat.* XI, pp. 597–635, pls. xxxvii–xli.

1877. *Zool. Record,* XII, p. 210.

1889. Ein Beitrag zur Kenntniss der Exkretionsorgane. *Biol. Centralbl.* IX, 2, pp. 33–47; 3, pp. 65–76; 4, pp. 127–128. [pp. 75–76.]

1889. *Arch. Zool. expér.* (2) VII, pp. xxxiv–xlii. [p. xli.]

1891. *Zool. Jahresb.* 1889, Tunicata, pp. 3–4.

1890. [On the metamorphism of the Larvæ of Ascidians and the formation of the Mantle.] (In Russian.) *Rev. Sci. nat. St. Pétersb.* I, 9, pp. 378–390. Abstr. p. 429.

1892. Einige Beiträge zur Bildung des Mantels der Ascidien. *Mém. Acad. Sci. St. Pétersb.* (7) XXXVIII, 10, 20 pp., 2 pls.

1892. Formation of Mantle in Ascidians. *Jrn. R. Micr. Soc.* 1892, p. 776.

1893. *Zool. Jahresb.* 1892, Tunicata, p. 3.

1897. *Arch. Naturg.* LIX, II, 3, pp. 11–12.

Kowalewsky, *A. O.,* **&** *J.* **Barrois.**

1883. Matériaux pour servir à l'histoire de l'*Anchinia. Jrn. Anat. Physiol.* (Robin), XIX, pp. 1–23, pls. i–iii.

1883. Materials towards the history of *Anchinia.* (Transl.) *Ann. Nat. Hist.* (5) XII, pp. 1–20, pls. i–iii.

1884. *Zool. Jahresb.* 1883, IV, pp. 14–16.

Kraemer, *A.*

1899. Aräometer-, Meeresfarbe-, und Plankton-Untersuchungen im Atlantischen und im Stillen Ocean. *Ann. Hydrogr.* XXVII, pp. 458–468. [pp. 462, 465 (*Salpa* and *Pyrosoma*).]

Kritschagin, *N.*

1873. [Development of the Buds in *Botryllus.*] (In Russian.) *Zapisky Kiev. Obshch.* III, pp. 305–332, pl. vii.

Krohn, *August David.*

1841. Ueber die männlichen Zeugungsorgane der Ascidien und Salpen. *Neue Notizen,* XVII, cols. 49–53.

Krohn, *A. D.*

1846. Observations sur la génération et le développement des Biphores. *Compt. rend. Acad. Sci.* XXIII, pp. 449–452. (And) *Ann. Sci. nat.* (3) VI, pp. 110–131.

1846. Ueber die Fortpflanzung und Entwickelung der Biphoren. (Transl.) *Neue Notizen*, XL, cols. 151–153.

1852. Ueber die Gattung *Doliolum* und ihre Arten. *Arch. Naturg.* XVIII, pp. 52–65, pl. ii.

1852. Upon the genus *Doliolum* and its species. (Transl.) *Ann. Nat. Hist.* (2) X, pp. 119–129, pl. iii.

1852. Ueber die Entwicklung der Ascidien. *Arch. Anat. Physiol.* 1852, pp. 312–333, pl. viii, ff. 1–3.

1853. On the Development of the Ascidians. (Transl.) *Sci. Mem., Nat. Hist.* I, 4, pp. 312–329, pl. xii B.

1853. Ascidien. (In) Bericht über einige im Herbste 1852 in Messina angestellte vergleichend anatomische Untersuchungen. *Zeitschr. wiss. Zool.* IV, 2, 299–370. [p. 322.]

1869. Ueber die Fortpflanzungsverhältnisse bei den Botryllideu. *Arch. Naturg.* XXXV, I, pp. 190–196.

1869. Ueber die früheste Bildung der Botryllusstöcke. *Arch. Naturg.* XXXV, I, pp. 326–333, pl. xiv.

Krukenberg, *Carl Friedrich Wilhelm.*

1880. Vergleichend-physiologische Studien. I Reihe. 8°. Heidelberg, 1880–81. Ueber Unterschiede der chemischen Bestandtheile von Organen ähnlicher Function bei Vertretern verschiedener Thierclassen. ii, pp. 1–36 [pp. 18, 22–23, 34]. Ueber Reservestoffe. ii, pp. 39–64 [pp. 42, 62–63]. Ueber die Vertheilung des Wassers der organischen und anorganischen Verbindungen im Korper wirbelloser Thiere. ii, pp. 78–108 [pp. 96–97]. Der Herzschlag bei den Salpen. iii, pp. 151–176.

1881. *Zool. Record*, XVII, Molluscoidea, p. 111.

Kuckuck, *T.*

1905. Der Strandwanderer. 76 pp., 24 pls. München. [3 sps.] (*Fide* Matzdorff.)

Kuekenthal, *Willy.*

1896. Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo. I. Tiel. *Abh. Senckenb. nat. Ges.* XXII, I, pp. i–xii, 1–321, 13 pls., 5 maps, 5 text-figs. [p. 50.]

1898. Leitfaden für das zoologische Praktikum. 8°. Jena. [pp. 195–208, ff. 136–143.]

(Ed. 2 in 1901.)

KUEKENTHAL, *W.*

1903. Schlasswort. *Abh. Senckenb. nat. Ges.* XXV, 4, pp. 969–988. [p. 974.]

1907. Die marine Tierwelt des arktischen und antarktischen Gebietes in ihren gegenseitigen Beziehungen. *Ver. Geogr. Inst. Berlin,* XI, 28 pp. [Appendicularien.] (*Fide* Matzdorff.)

Kuekenthal, *W., & Bernhard* **Weissenborn.**

1886. Ergebnisse eines zoologischen Ausfluges an die Westküste Norwegens. *Jena. Zeitschr. Naturw.* XIX, pp. 776–789. [pp. 783–784 (14 sps.).]

Kuhl, *Heinrich.*

1822. [Ueber *Salpa* und *Pyrosoma,* &c. (? title).] *Allgem. Konst. Letterb.* VI, p. 20.

1824. Extrait d'une lettre . . . sur quelques Mollusques et Radiares. (Transl.) *Bull. Sci. nat.* II, p. 211. [*Salpa* and *Pyrosoma.*]

1825. Splendid Luminosity of Sea Animals, observed by Kuhl, in Lat. 24° S., Long. 12°, in Oct. 1820. *Edinb. Philos. Jrn.* XII, pp. 185–186. [*Pyrosoma atlanticum.*]

Kuhn, *Gustav.*

1903. Ueber die Entwicklung des Herzens der Ascidien. *Morphol. Jahrb.* XXXI, 4, pp. 505–559, pls. xix–xxi. [*Clavelina* and *Ciona.*]

1904. *Zool. Jahresb.* 1903, Tunicata, p. 5.

Kupffer, *Carl Wilhelm von.*

1869. Die Stammverwandtschaft zwischen Ascidien und Wirbelthieren. *Arch. mikr. Anat.* V, pp. 459–463. [*Phallusia canina.*]

1870. *Zool. Record,* VI, pp. 594–595.

1870. Die Stammverwandtschaft zwischen Ascidien und Wirbelthieren. Nach Untersuchungen über die Entwicklung der *Ascidia canina* (Zool. dan.). *Arch. mikr. Anat.* VI, 2, pp. 115–172, pls. viii–x.

1870. The genetic relationship between Ascidians and Vertebrates. *Qrt. Jrn. Micr. Sci.* (N.S.) X, p. 299.

1872. Zur Entwicklung der einfachen Ascidien. *Arch. mikr. Anat.* VIII, pp. 358–396, pl. xvii.

1874. *Zool. Record,* IX, pp. 178–179.

1874. Tunicata. (In) Die zweite deutsche Nordpolarfäht in den Jahren 1869 und 1870. 2 vols. 8°. Leipzig, 1873–74. II, II, 6, pp. 244–245 (2 sps.).

KUPFFER, *C. W. von.*

1875. The Tunicata of East Greenland. (In) Manual of the Natural History, Geology, and Physics of Greenland . . . lxxxix, p. 556. 8°. London. [2 sps.]

1875. Tunicata. (In) Jahresb. Comm. deutsch. Meere in Kiel, 1872–73. II, ii, iii, pp. 197–228, pls. iv, v. fol. Berlin.

1893. Studien zur vergleichenden Entwickelungsgeschichte des Kopfes der Kranioten. *Ergebn. Anat. Entwickl.* II, II, pp. 501–564. [pp. 504–513.]

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 4–5.

Kyle, *Harry M.*

1909. Listes planktoniques pour l'année 1907–1908. (In) Bull. trimestr. Conseil Internat. Explor. Mer, 1907–1908, D, 72 pp. 4°. Copenhague. [pp. 10–65 *passim.*]

L.

Labbé, *Alphonse.*

1899. Sporozoa. (In) Das Tierreich. Eine Zusammenstellung und Kennzeichnung der resenten Tierformen. Lief. 5. 8°. Berlin. [pp. 37, 46, 47, 49, 151.]

Lacaze-Duthiers, *Felix Joseph Henri de.*

1865. Sur un genre nouveau d'Ascidien, le *Chevreulius callensis*, Lac.-Duth. *Ann. Sci. nat.* (5), Zool. IV, pp. 293–316, pl. v.

1865. Sur un nouveau type dans le groupe des Ascidiens, la *Chevreulius callensis* (L. D.). (Extr.) *Compt. rend. Acad. Sci.* LX, pp. 1264–1266.

1865. On a new type in the group of Ascidians—*Chevreulius callensis*. *Ann. Nat. Hist.* (3) XVI, pp. 143–144.

1870. Recherches sur l'organisation et l'embryogénie des Ascidies: évolution de la *Molgula tubulosa*. *Compt. rend. Acad. Sci.* LXX, pp. 1154–1157. (And) *Rev. Mag. Zool.* 1870, pp. 206–209.

1870. On the Organization and Embryogeny of the Ascidia (*sic*).—Development of *Molgula tubulosa*. (Transl.) *Ann. Nat. Hist.* (4) VI, pp. 109–111.

1872. Direction des Études zoologiques. *Arch. Zool. expér.* I, pp. 1–64. [pp. 44–45.]

1874. Histoire des Ascidies simples des côtes de France. I. *Arch. Zool. expér.* III, pp. 119–174, 257–330, 531–556, 25 pls.

1875. Note sur l'origine des vaisseaux de la tunique chez les Ascidies simples. *Compt. rend. Acad. Sci.* LXXX, pp. 600–604.

LACAZE-DUTHIERS, *F. J. H. de.*

1877. Histoire des Ascidies simples des côtes de France. II. Études des espèces. *Arch. Zool. expér.* VI, pp. 457–676, pls. xiv–xxvii, 3 text-figs. [13 sps.]

1880. *Zool. Jahresb.* 1879, II, pp. 801–802.
1881. *Zool. Record,* XVI, Molluscoidea, pp. 105–106.

1884. Sur un élément microscopique pourvant guider dans le détermination des Cynthiadées. *Compt. rend. Acad. Sci.* XCIX, pp. 1103–1106.

1885. Microscopic elements serving for the determination of the Cynthiidæ. *Jrn. R. Micr. Soc.* (2) V, pp. 230–231.
1887. *Arch. Naturg.* LI, II, 3, p. 165.

Lacaze-Duthiers, *F. J. H. de, & Yves* **Delage.**

1885. Les Cynthiadées des côtes de France: type *Cynthia morus. Compt. rend. Acad. Sci.* CI, pp. 784–790.

1836. Cynthiidæ of the coasts of France. *Jrn. R. Micr. Soc.* (2) VI, pp. 53–54.

1889. Études anatomiques et zoologiques sur les Cynthiadées. *Arch. Zool. expér.* (2) VII, pp. 519–534, pl. xxiv, 3 text-figs.

1890. Anatomy of the Cynthiidæ. *Jrn. R. Micr. Soc.* 1890, p. 448.
1893. *Arch. Naturg.* LVI, II, 3, pp. 9–10.

1899. Études sur les Ascidies des côtes de France. Faune de Cynthiadées de Roscoff et des côtes de Bretagne. *Mém. Acad. Sci. France,* (2) XLV, 1, 323 pp., 20 pls., 4 text-figs.

1904. *Arch. Naturg.* LXIII, II, 3, p. 150.
1905. *Zool. Jahresb.* 1904, Tunicata, p. 6.

Lackowitz, *W.*

1896. Das Buch der Thierwelt. 8°. Berlin. [p. 903.]

Lahille, *Fernando.*

1885. Les contractions alternantes du Cœur chez les Tuniciers. *Bull. Soc. Toulouse,* XIX, pp. 13–23.

1886. Alternation in the Heart of Tunicates. *Jrn. R. Micr. Soc.* (2) VI, p. 416.

1886. Sur une nouvelle espèce de Diplosomien. *Compt. rend. Acad. Sci.* CII, pp. 446–448.

1886. New Diplosoma. *Jrn. R. Micr. Soc.* (2) VI, p. 778.
1888. *Arch. Naturg.* LII, II, 3, p. 224.

1886. Sur la Classification des Tuniciers. *Compt. rend. Acad. Sci.* CII, pp. 1573–1575.

1886. Classification of the Tunicata. *Jrn. R. Micr. Soc.* (2) VI, pp. 777–778.
1888. *Arch. Naturg.* LII, II, 3, pp. 221–222.

LAHILLE, *F.*

1886. Sur la tribu des Polyclinieus. *Compt. rend. Acad. Sci.* CIII, pp. 485–487.

1886. Polyclinæ. *Jrn. R. Micr. Soc.* (2) VI, pp. 956–957.

1888. *Arch. Naturg.* LII. II, 3, pp. 223–224.

1886. Recherches sur le système musculaire du *Glossophorum sabulosum* (G.). *Bull. Soc. Hist. nat. Toulouse,* XX, pp. 107–116.

1887. Muscular System of *Glossophorum sabulosum. Jrn. R. Micr. Soc.* 1887, pp. 570–571.

1888. *Zool. Jahresb.* 1886, Tunicata, p. 7.

1887. Anatomie des *Distaplia. Bull. Soc. Hist. nat. Toulouse,* XXI, pp. xxx–xxxiii.

1887. Anatomy of *Distaplia. Jrn. R. Micr. Soc.* 1887, p. 943.

1887. Ovogénèse des Tuniciers. *Bull. Soc. Hist. nat. Toulouse,* XXI, pp. xlv–xlvi.

1890. *Zool. Jahresb.* 1888, Tunicata, p. 2.

1887. Faune ascidiologique de Branyuls-sur-Mer. *Bull. Soc. Hist. nat. Toulouse,* XXI, pp. lvii–lix.

1887. Recherches sur la blastogénèse des Diplosomes. *Bull. Soc. Hist. nat. Toulouse,* XXI, pp. lxv–lxvii.

1887. Sur le système vasculaire colonial des Tuniciers. *Compt. rend. Acad. Sci.* CIV, pp. 239–242.

1887. Colonial vascular system of Tunicata. *Jrn. R. Micr. Soc.* 1887, p. 377.

1891. *Arch. Naturg.* LVI, II, 3, p. 2.

1887. Sur le developpement typique du système nerveux central des Tuniciers. *Compt. rend. Acad. Sci.* CV, pp. 957–960.

1888. Central Nervous System. *Jrn. R. Micr. Soc.* 1888, p. 26.

1891. *Arch. Naturg.* LVI, II, 3, p. 2.

1888. Contributions à l'étude anatomique des Salpes. *Bull. Soc. Hist. nat. Toulouse,* XXII, pp. xliii–xlv.

1888. Étude systématique des Tuniciers. *Compt. rend. Assoc. Française,* XVI, 2, pp. 667–677.

1888. *Zool. Record,* XXIV, Tunicata, pp. 2–3.

1894. *Arch. Naturg.* LVII, II, 3, pp. 3–5.

1888. Notes anatomiques et taxonomiques sur le genre *Pyrosoma. Bull. Soc. Hist. nat. Toulouse,* XXII, pp. lv–lvii.

1890. *Zool. Jahresb.* 1888, Tunicata, pp. 5–6.

1888. Les Tuniciers, sont-ils les Ancêtres des Vertébrés? *Bull. Soc. Hist. nat. Toulouse,* XXII, pp. xcii–xcvi.

1889. Relation of Tunicata to Vertebrata. *Jrn. R. Micr. Soc.* 1889, p. 376.

1890. Contributions à l'etude anatomique et taxonomique des Tuniciers. 528 pp., 176 figs. 8°. Toulouse.

1894. *Arch. Naturg.* LVII, II, 3, pp. 5–6.

Lahille, *F.*

1890. Recherches sur les Tuniciers des côtes de France. 330 pp., 176 figs. 8°. Toulouse.

1892. *Zool. Jahresb.* 1890. Tunicata, pp. 1–4, 6–7.

1892. *Zool. Record*, XXVII, Tunicata, pp. 2, 4–5, 6.

1892. Classification des Tuniciers. Groupes primordiaux. *Naturaliste*, XIV, pp. 59–62, ff. 1–13.

1909. Tableau dichotomique des principaux genres et des principales espèces de Tuniciers qu'on peut recontrer sur les côtes de France. *Naturaliste*, XXXI, pp. 36–38, 46–48, 58–59.

Lamarck, *Jean Baptiste Pierre Antoine de Monet de.*

1801. Systême des Animaux sans Vertèbres. 8°. Paris, an. ix. [pp. 108–109, 584.]

1813. Sur les Polypiers empâtés. *Ann. Mus. Hist. Nat.* XX, pp. 294–312, 370–386, 432–458. [pp. 303–304.]

1815. Suite des Polypiers empâtés. *Mém. Mus. Hist. Nat.* I, pp. 69–80, 162–168, 331–340. (pp. 76, 331, 334–340.]

1816. Histoire naturelle des Animaux sans Vertèbres. 7 vols. 8°. Paris, 1815–22. [III, pp. 80–130.]

1840. Histoire naturelle des Animaux sans Vertèbres. Ed. 2, par G. P. Deshayes et H. Milne Edwards. 11 vols. 8°. Paris & Londres, 1835-45. (Révision des Tuniciers par F. Dujardin.) [III, pp. 473–541.]

Lameere, *Auguste.*

1891. Prolégomènes de Zoologie. *Bull. sci. France Belg.* XXIII, pp. 399–411. [p. 410.]

1895. Manuel de la Faune de Belgique. 3 vols. 8°. Bruxelles, 1895–1907. [I, pp. 38–42 (9 sps.).]

1906. [Remarks on *Octanemus.*] *Ann. Soc. malac. Belg.* XLI, p. 70.

Lamouroux, *Jean Vincent Félix.*

1812. Note sur la Montée. *Nouv. Bull. Soc. Philom.* 1812, pp. 181–188. [pp. 186–187 (*Botryllus fasciola*).]

1816. Histoire des Polypiers coralligènes flexibles, vulgairement nommés Zoophytes. 8°. Caen. [pp. 322–323, 342, 348 ?, 352.]

1818. Histoire naturelle des Polypiers coralligènes flexibles, vulgairement nommés Zoophytes. *Jrn. Physique*, LXXXVI, pp. 290–304. [pp. 294–297 (incl. *Pollicitor*, n. g.).]

1821. Exposition méthodique des genres de l'ordre des Polypiers, . . . 4°. Paris. [pp. 72–76, pl. lxxvii.]

LAMOUROUX, *J. V. F.*

1824. Corallina; or, a classical arrangement of Flexible Coralline Polypidoms, . . . (Abridged transl.) 8°. London & Bath. [pp. 246, 249, 250.]

Landsborough, *David.*

1847. Treasures of the Deep. 4°. Glasgow. [pp. 34, 49 (2 sps.).]

1852. Excursions to Arran, Ailsa Craig, and the two Cumbraes, with reference to the Natural History of these Islands. Second series. 12°. Edinburgh. [pp. 34, 49 (3 sps.).]

Lang, *Arnold.*

1888. Ueber den Einfluss der festsitzenden Lebensweise auf die Thiere . . . 8°. Jena. [pp. 5–64, 92–116, 155–158, *passim.*]

1902. Fünfundneunzig Thesen über den phylogenetischen Ursprung und die morphologische Bedeutung der Centralteile des Blutgefässsystems der Tiere. *Vierteljahrsschr. nat. Ges. Zürich,* XLVII, pp. 393–421. [pp. 414–415.]

1904. *Arch. Naturg.* LXIII, II, 3, p. 183.

1903. Beiträge zu einer Trophocöltheorie. Betrachtungen und Suggestionen über die phylogenetische Ableitung der Blut- und Lymphbehälter, insbesondere der Articulaten. *Jena. Zeitschr. Naturw.* (N. F.) XXXVIII (1904), 1, pp. 1–376, pls. i–vi, 4 text-figs. [pp. 348–350, pl. v, ff. 46–49.]

Langerhans, *Paul.*

1877. Zur Anatomie der Appendicularien. *Monatsb. Akad. Wiss. Berlin,* 1877 (1878), pp. 561–566. [*Œcopleura* and *Fritillaria.*]

1879. *Zool. Record,* XIV, Molluscoidea. p. 91.

1880. Ueber Madeira's Appendicularien. *Zeitschr. wiss. Zool.* XXXIV, 1, pp. 144–146, pl. vi. [9 sps.]

1883. On the Appendicularia of Madeira. *Jrn. R. Micr. Soc.* (2) III, p. 347.

Lankester, *Edwin.*

1856. The Aquavivarium, fresh and marine; . . . 8°. London. [pp. 62, 66–67, f. 29 (*Ascidia mentula*).]

Lankester, *Edwin Ray.*

1873. Summary of Zoological Observations made at Naples in the winter of 1871. *Ann. Nat. Hist.* (4) XI, pp. 81–97. [pp. 87–88, 94–95, 1 fig. (*Appendicularia furcata*).]

LANKESTER, *E. R.*

1874. On the heart of *Appendicularia furcata*, and the development of its muscular fibres. *Qrt. Jrn. Micr. Sci.* (N. S.) XIV, pp. 274–277, pl. xii, ff. 6–8.

1877. Notes on Embryology and Classification . . . 8°. London. [pp. 43–44, 54.]

1880. Degeneration. A chapter in Darwinism. 8°. London. [pp. 39–49, 52–55, 61, 72, ff. 13–20.]

1882. The Vertebration of the Tail of *Appendiculariæ*. *Qrt. Jrn. Micr. Sci.* (N. S.) XXII, pp. 387–390, 2 (5) figs.

1884. *Zool. Jahresb.* 1883, IV, pp. 16–17.

1890. The Advancement of Science. 8°. London. I. Degeneration, pp. 1–59, 23 figs. [pp. 31–40, 42–45, 49, 56, ff. 13–20.] IX. The history and scope of Zoology, pp. 287–387. [pp. 322, 325, 328, 333, 338, 340, 345, 387.]

1910. (Remarks in) Discussion on the origin of the Vertebrates. *Proc. Linn. Soc. Lond.* 1909–10, pp. 9–50. (E. R. L., pp. 38–40.) [pp. 38–39, 40.]

Lanszweert, *Edouard.*

1868. Liste de Zoophytes et de Mollusques inférieurs (Tuniciers et Bryozoaires) du littoral Belge. *Ann. Soc. malac. Belg.* III, Mém. pp. 113–126. [p. 115 (5 sps.).]

Latham, *Robert Gordon.*

1862. Channel Islands. *See* ANSTED, D. T., & R. G. LATHAM.

Latreille, *Pierre André.*

1804. Tableau méthodique des Mollusques. (In) Nouv. Dict. d'Hist. nat. appl. aux Arts. XXIV. 8°. Paris. pp. 107–120. [p. 115.]

1825. Familles naturelles du Règne Animal, . . . 8°. Paris. [pp. 523–528.]

1827. Observations zoologiques de Quoy et Gaimard. *See* CUVIER, G. L. C. F. D., & P. A. LATREILLE.

Leach, *William Elford.*

1852. A Synopsis of the Mollusca of Great Britain, . . . 8°. London. [pp. 1, 233–243 (15 sps.), 362.]

Lebert, *Hermann, & Ch.* **Robin.**

1846. Kurze Notiz über allgemeine vergleichenden Anatomie der niederer Thiere. *Arch. Anat. Physiol.* pp. 120–137. [p. 122.]

Leche, *Wilhelm.*

1878. Öfversigt öfver de af Svenska Expeditionerna till Novaja Zemlja och Jenissej 1875 och 1876 insamlade Hafs-Mollusker. *Svenska Vet.-Akad. Handl.* (N. F.) XVI, 2, 86 pp., 2 pls. [p. 9 (3 sps.).]

Lee, *Arthur Bolles.*

1884. Recherches sur l'ovogénèse et la spermatogénèse chez les Appendiculaires. *Rec. Zool. Suisse,* (1) I, 4, pp. 645–663, pl. xxxvi.

1885. *Zool. Jahresb.* 1884, IV, p. 8.
1885. *Zool. Record,* XXI, Tunicata, p. 6.
1887. *Arch. Naturg.* LI, II, 3, pp. 151–152.

1891. On a little-known Sense-organ in *Salpa. Qrt. Jrn. Micr. Sci.* (2) XXXII, pp. 89–97, pl. x.

1893. *Zool. Jahresb.* 1891, Tunicata, p. 11.
1895. *Arch. Naturg.* LVIII, II, 3, pp. 2–3.

Lee, *A. B., & P.* **Mayer.**

1898. Grundzüge der mikroskopischen Technik für Zoologen und Anatomen. 8°. Berlin. [p. 385.]

(Ed. 2 in 1901 [p. 421].)

Lefèvre, *George.*

1894. The Vertebration of the Tail of *Appendiculariæ. Johns Hopkins Univ. Circ.* XIII, pp. 57–58, 3 figs.

1894. Vertebration of the Tail of *Appendiculariæ. Jrn. R. Micr. Soc.* 1894, p. 557.
1895. *Zool. Jahresb.* 1894, Tunicata, p. 2.

1895. On budding in *Perophora. Johns Hopkins Univ. Circ.* XIV, pp. 75–77, ff. 1–5. (And) *Ann. Nat. Hist.* (6) XVI, pp. 213–222, 5 figs.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 10.
1899. *Arch. Naturg.* LX, II, 3, pp. 20–21.

1896. Budding in *Perophora. Johns Hopkins Univ. Circ.* XV, pp. 79–81.

1897. Budding in Clavelinidæ. *Science* (N. S.) V, pp. 433–434.

1901. *Arch. Naturg.* LXI, II, 3, pp. 148–149.

1897. Budding in *Ecteinascidia. Anat. Anzeig.* XIII, pp. 473–483, 6 figs. (And) *Johns Hopkins Univ. Circ.* XVII, pp. 5–8, ff. 2–7.

1897. *Jrn. R. Micr. Soc.* 1897, pp. 366–367.
1898. *Zool. Centralbl.* V, pp. 426–427. [Above two memoirs.]

1898. Budding in *Perophora. Jrn. Morphol.* XIV, 3, pp. 367–424, pls. xxix–xxxii.

1900. *Zool. Centralbl.* VII, pp. 411–413.

Léger, *Louis, & O.* **Duboscq.**

1909. *Perezia Lankesteriæ*, n. g., n. sp., Microsporidie parasite de *Lankesteria ascidiæ* (Ray-Lank.). *Arch. Zool. expér.* (5) I, pp. lxxxix–xciii, 1 fig. [*Ciona intestinalis.*]

1910. *Zool. Zentralbl.* XVII, pp. 13–14.

Legros, *R.*

1896. Sur la Morphologie des Glandes Sexuelles de *l'Amphioxus lanceolatus*. *Compt. rend. Congr. internat. Zool.* III (Leyde), pp. 487–500, pl. iii.

Leidenfrost, *Gy.*

1908. Neuere Beiträge zur Kenntniss der Fauna des Quarnero und der Adria. *Allatt. Közlem. Tarsul.* VII, pp. 145–172. [pp. 159–160 (5 sps.).]

Lendenfeld, *Robert von.*

1884. Note on the slimy coatings of certain Boltenias in Port Jackson. *Proc. Linn. Soc. N. S. Wales*, IX, p. 495.

1885. Slimy coatings of certain Boltenias. *Jrn. R. Micr. Soc.* (2) V, p. 233.

1896. Ueber meinen Aquarienfilter. *Zool. Anzeig.* XIX, p. 95. [Ascidien.]

Lentz-Johnson, *Mary E. G.*

1905. Anatomy of *Cyclosalpa* and *Salpa*. *See* Metcalf, M. M., & M. E. G. Lentz-Johnson.

Lenz, *Heinrich.*

1875. Die wirbellosen Thiere der Travemünder Bucht. Theil I. (In) Jahresb. Comm. deutsch. Meere in Kiel, 1874–76. III (1878), iv–vi, Anhang I, 24 pp. fol. Berlin. [p. 24 (4 sps.).]

1882. Die wirbellosen Thiere der Travemünder Bucht. Theil II. (In) Ber. Comm. deutsch. Meere in Kiel, 1877–81. IV, vii–ix, 1, pp. 169–180. fol. Berlin. [pp. 177, 179, 180.]

Leske, *Nathaniel Gottfried.*

1776. Seethiere. *See* Bohadsch, J. B.

Leslie, *George, & W. A.* **Herdman.**

1881. The Invertebrate Fauna of the Firth of Forth. 8°. Edinburgh. [pp. 52–58, 106.] (And) *Proc. R. Phys. Soc. Edinb.* VI, pp. 68–95, 201–231, 268–315. [pp. 225–231, 315.]

Lesson, *René Primevère.*

1826. Phosphorescence de la Mer. (In) Dict. Sci. nat. XL, pp. 45–48. 8°. Strasbourg & Paris. [p. 47 (Pyrosome).]

Lesson, *R. P.*

1830. Centurie Zoologique, ou choix d'Animaux rares, nouveau, ou imparfaitement connus; . . . 8°. Paris, 1830–32. [pp. 95–96, 149–151, 157–158, 161–183, pls. (*pars*) xxxiii, lii, liii, lv–lvii.]

1830. Zoologie. (In) Voyage autour du Monde, . . . sur la corvette "La Coquille," . . . 1822–25. Par L. I. Duperrey, etc. 2 vols. 4°; Atlas, fol. Paris, 1826–31. [II, i, pp. 256–279, 433–440 (21 sps.); Atlas, pls. (*pars*) iv–ix, xiii.]

1831. Note descriptive sur trois genres nouveaux d'Ascidiens composés. *Bull. Sci. nat. géol.* XXV, pp. 362–365.

Lesueur, *Charles Alexander.*

1813. Mémoire sur quelques nouvelles espèces d'Animaux mollusques et radiares recueillis dans la Méditerranée, près de Nice. *Nouv. Bull. Soc. Philom.* III, pp. 281-285, pl. v. [pp. 283–284, pl. v, f. 2 (*Pyrosoma elegans*).] (Fuller text) *Jrn. Physique,* LXXVII, pp. 119-124. [pp. 120, 122.]

1815. Le Botrylle étoilé. *See* Desmarest, A. G., & C. A. Lesueur.

1815. Mémoire sur l'organisation des Pyrosomes, . . . *Bull. Soc. Philom.* 1815, pp. 70–74, pl. i, ff. 1–13. (Fuller text) *Jrn. Physique,* LXXX, pp. 413–423, pl. i, ff. 1–13.

1817. Ueber den Bau der Pyrosomen. . . . *Isis,* 1817, cols. 1508–1512, pl. xii *pars.*

1823. Descriptions of several new species of *Ascidia. Jrn. Acad. Philad.* III, 1, pp. 2-8, pls. i–iii. (And) 1824. *Lond. Edinb. Phil. Mag.* LXII, pp. 321-325. [10 sps.]

1824. Descriptions de pleusieurs nouvelles especés d'Ascidies. *Bull. Sci. nat. géol.* I. p. 281.

1834. Neue Ascidien. *Isis,* 1834, cols. 460–461.

Leuckart, *Carl Georg Friedrich Rudolph.*

1847. Anatomie der wirbellosen Thiere. *See* Frey, H., & C. G. F. R. Leuckart.

1847. Wirbellosen Thiere von Helgoland und Island. *Nach. Ges. Wiss. Göttingen,* 1847, pp. 86–92. [p. 88.]

1848. Ueber die Morphologie und die Verwandtsschaftsverhältnisse der wirbellosen Thiere. 8°. Braunschweig. [pp. 124-176 *passim.*]

1854. Zoologische Untersuchungen. 4°. Giessen, 1853–54. II. Zur Anatomie und Entwickelungsgeschichte der Tunicaten. 93 pp., 2 pls. 1. Salpen. 2. Ascidien.

1856. Nachträge und Berichtigungen zu dem ersten Bande von J. van der Hoeven's Handbuch der Zoologie. 8°. Leipzig. [pp. 138–139.]

Leuckart, *R., & Heinrich* **Nitsche.**

1886–90 (?). Zoologische Wandtafeln . . . fol. (mit) Erklärungen . . . 4°. Cassel, 1877–93. [pls. xl, liii, lxxi.]

Leunis, *Johannes.*

1844. Synopsis der drei Naturreiche. I, Zoologie. 8°. Hannover. [pp. 412–413.]

1860. Synopsis der Naturgeschichte der Thierreichs. Ed. 2. 8°. Hannover. [pp. 902–905, ff. 653–655.]

1883. Dr. J. Leunis Synopsis der Thierkunde. Ed. 3. . . . von H. Ludwig. 2 vols., 1883–86. [I, pp. 797–818, ff. 642–663.]

(Three editions of the same work.)

Leuret, *François.*

1839. Anatomie comparée du Système nerveux considéré dans ses rapports avec l'intelligence. Par Fr. Leuret et P. Gratiolet. 8°. Paris, 1839–1857. [I (by Leuret), pp. 8–10.]

Levander, *Kaarlo Mainio.*

1900. Om några intressanta faunistiska fynd i planktonprof från Ålands haf och Finska viken. *Medd. Soc. Fauna Fenn.* XXV, pp. 42–43, 138. [pp. 42, 138 (2 sps.).]

1900. Ueber das Herbst- und Winter-Plankton im finnischen Meerbusen und in der Ålands-See, 1898. *Acta Soc. Fauna Fenn.* XVIII, 5, 25 pp., 5 figs. [pp. 9, 11, 12, 24–25.]

1901. Uebersicht der in der Umgebung von Esbo-Löfö im Meereswasser vorkommenden Thiere. *Acta Soc. Fauna Fenn.* XX, 6, 20 pp. [p. 18 (*Fritillaria borealis.*).]

Lewes, *George Henry.*

1858. Sea-side Studies at Ilfracombe, Tenby, the Scilly Islands, and Jersey. 8°. London. [pp. 23, 58–89, 91–92, 134–135, 278–280, 286–287, pl. i, f. 4.]

Leydig, *Franz.*

1857. Lehrbuch der Histologie des Menchen und der Thiere. 8°. Hamm. [pp. 102, 104, 106, 181.]

Lindsay, *B.*

1895. An Introduction to the Study of Zoology. 8°. London. [pp. 234–237, ff. 83–85.]

Linko, *A. K.*

1902. [The Mourmane Biological Station of the Imperial Society of Naturalists of St. Petersburg.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* Trudui, XXXIII, 1, pp. 154–179, 3 pls. [pp. 159, 172.]

Linnæus, *Carl.*

1735. C. Linnæi, . . . Systema Naturæ, sive Regna tria Naturæ . . . fol. Lugduni Batavorum. [Regnum animale, VI (*Tethya*).]

(Reprinted in *fac simile*, fol. Holmiæ, 1907.)

1740. C. Linnæi . . . Systema Naturæ in quo Naturæ Regna tria . . . Ed. 2. 8°. Stockholmiæ. [p. 63 (*Tethya*).]

1746. C. Linnæi . . . Fauna Suecica sistens Animalia Sueciæ Regni: . . . 8°. Lugduni Batavorum. [p. 386 (*Microcosmus*).]

1748. C. Linnæi . . . Systema Naturæ Sistens Regna tria Naturæ. Ed. 6. 8°. Stockholmiæ. (And) Ed. 7. 8°. Lipsiæ. [p. 72 (*Tethys* 1).]

(On p. 78 of 9th edition, 1756.)

1758. C. Linnæi . . . Systema Naturæ per Regna tria Naturæ. Ed. 10. 2 vols. 8°. Holmiæ, 1858–59. [I, p. 803 (*Alcyonium bursa*).]

(Vol. I reprinted 1894. 8°. Lipsiæ.)

1759. C. Linnæi . . . Animalium specierum . . . Methodica dispositio, . . . 8°. Lugduni Batavorum. [p. 249 (*Alcyonium*, sp. 3).]

1760. C. Linnæi . . . Amœnitates Academicæ, seu Dissertationes variæ . . . 7 vols. 8°. Holmiæ & Lipsiæ, 1749–1769. [IV, p. 256, pl. iii, f. 14 (*Asterias lunata*).]

1767. C. a Linné . . . Systema Naturæ; sive Regna tria Naturæ, . . . Ed. 12. 3 vols. 8°. Holmiæ, 1766–68. [I, pt. 2, pp. 1087, 1089, 1294–1295 (*Ascidia*, 6 sps.; *Alcyonium*, sps. 6, 8, 10; *Vorticella*, sp. 14).]

(Reprinted as ed. 13. 3 vols. 8°. Vindobonæ, 1767–70.)

1771. Genera Animalium, ex. ed. 12 Systematis Naturæ. 8°. Edinburgi. [pp. 62–64, 73 (*Ascidia, Alcyonium*).]

1771. C. a Linné . . . Mantissa Plantarum altera, . . . 8°. Holmiæ. [p. 552 (*Vorticella Bolteni*).]

(= *Ascidia clavata* Fabr., a *Boltenia*. *Ascidia vagabunda*, p. 543, is not a Tunicate.)

1772. C. a Linné . . . Systema Naturæ ex. ed. 12 in epitomen redactum . . . a J. Beckmanno. 2 vols. 8°. Gottingæ. [I, pp. 197, 234 (*Ascidia intestinalis, Alcyonium bursa*).]

1791. Caroli a Linné . . . Systema Naturæ . . . Ed. 13. Cura Jo. Frid. Gmelin. 3 vols. (in 10). 8°. Lipsiæ, 1788–93. [III, 6, pp. 3123–3131 (*Ascidia, Salpa, Dagysa*), 3135–3136 (*Mammaria*), 3812–3816 (*Alcyonium, pars*).]

(Re-issued, 3 vols. in 8. 8°. Lugduni, 1789-96.)

Linnæus, *C.*

1802. A general System of Nature . . . transl. from Gmelin's last edition of the . . . Systema Naturæ . . . by W. Turton. 4 vols. 8°. London. [IV, pp. 92-99, 105, 653-656.]

(Re-issued in 1806 with vols. V-VII added.)

Lister, *Joseph Jackson.*

1834. Some Observations on the Structure and Functions of tubular and cellular Polypi, and of *Ascidiæ*. *Phil. Trans. Roy. Soc.* 1834 [CXXIV], 2, pp. 365–388, pls. viii–xii. [pp. 365, 378–383, 387–388, pls. xi, xii, f. 1.]

1835-36. Ueber den Bau . . . der Ascidien. Isis, 1835, col. 602; 1836, col. 607.

Lo Bianco, *Salvatore.*

1888. Notizie biologische riguardanti specialement il periodo di maturità sessuale degli Animali del Golfo di Napoli. *Mitth. zool. Stat. Neapel,* VIII, 3, pp. 385–440. [pp. 424–437.]

1890. Metodi usati nella Stazione zoologica per la conservazione degli Animali marine. *Mitth. zool. Stat. Neapel,* IX, 3, pp. 435–474. [pp. 444, 470–473.]

1891. Méthodes ex usage à la Station zoologique de Naples pour la conservation des Animaux marins. (Transl.) *Bull. Sci. France Belg.* 1891, pp. 100–147. [pp. 111, 142–146.]

1891. Métodos usados en la Estación zoológica de Nápoles para la conservación de los Animales marinos. (Transl.) *Anales Soc. Española Hist. nat.* XX, pp. 273–322. [pp. 286, 317–320.]

1899. The Methods employed at the Naples Zoological Station for the Preservation of Marine Animals. Transl. . . . by E. O. Hovey. *Bull. U. S. Nation. Mus.* XXXIX, pt. M, 42 pp., 1 pl. [pp. 14, 38–41.]

1899. Notizie biologiche riguardanti specialmente il periodo di maturità sessuale degli animali del golfo di Napoli. *Mitth. zool. Stat. Neapel,* XIII, 4, pp. 448–573. [pp. 533–538.]

1901. Le Pesche pelagische abissali eseguite del "Maia" nelle vicinanze di Capri. *Mitth. zool. Stat. Neapel,* XV (1902), 3, pp. 413–481, pl. xix (map). [pp. 415–426, 432–433, 463, 470, 473–475.]

1903. Le Pesche abissali eseguite da F. A. Krupp col Yacht "Puritan" nelle adiacenze di Capri ed in altre località del Mediterraneo. *Mitth. zool. Stat. Neapel,* XVI, 1–2, pp. 109–279, pls. vii–ix. [pp. 119–156, 167–170, 229, 230, 232, 235, 236, 246, 248.]

Lo Bianco, *S.*

1904. Pelagische Tiefseefischerei der "Maja" in der Umgebung von Capri. (Transl. in) Beiträge zur Kenntniss des Meeres und seiner Bewohner, I. vii + 91 pp., 42 pls. 8°. Jena. [pp. 4–17, 24–26, 65, 74, 78–80, pls. v–vii, ff. 10–22.]

1906. Azione della pioggia di Cenere, caduta durante l'eruzione del Vesuvio dell' Aprile 1906, sugli Animali marini. *Mitth. zool. Stat. Neapel,* XVIII, 1, pp. 73–104. [pp. 83, 85, 86; 101 (*Distaplia magnilarva*).]

Loeb, *Jacques.*

1892. Untersuchungen zur physiologischen Morphologie der Thiere. II. Organbildung und Wachsthum. 8°. Würzburg. [pp. 34–41, pl. ii, ff. 13–16, text-f. 6 (*Ciona intestinalis*).]

1894. On some facts and principles of Physiological Morphology. (In) Biological Lectures at Wood's Holl. 42 pp. 8°. Boston. [p. 24.]

1899. Einleitung in die vergleichende Gehiraphysiologie und Vergleichende Physiologie. ? 8°. Leipzig. [*Ciona intestinalis.*] (*Fide* Matzdorff.)

1900. *Zool. Centralbl.* VI, pp. 611–614. [p. 613.]

1900. Comparative Physiology of the Brain and Comparative Psychology. (Transl.) 8°. New York. [pp. 28–29.]

Loewig, *C., & Rudolph Albert von* **Koelliker.**

1846. De la composition et de la structure des Enveloppes des Tuniciers. *Ann. Sci. nat.* (3) Zool. V, pp. 193–238, pls. v–vii. (With) Rapport par M. Payen, pp. 238–242.

1846. *Arch. Sci. phys. nat.* III, pp. 297–300.

1846. Observations sur l'existence d'une substance ternaire, identique avec la Cellulose dans une classe d'Animaux sans Vertèbres, les Tuniciers. *Compt. rend. Acad. Sci.* XXII, pp. 38–40.

1846. Ueber die Zusammensetzung und Structur der Hällen der Tunicier (Tunicata). *Neue Notizen,* XL, cols. 81–89, 97–102.

Lohmann, *Hans.*

1892. Vorbericht über die Appendikularien der Plankton-Expedition. (In) Reisebeschreibung der Plankton-Expedition von Dr. Otto Krümmel. Ergebn. Plankton-Exped. I, A, pp. 139–149, ff. 29–33. 4°. Kiel & Leipzig.

1893. *Zool. Jahresb.* 1892, Tunicata, p. 2.

1895. Ueber die Verbreitung der Appendicularien im Atlantischen Ocean. *Verh. Ges. deutsch. Naturf.* LXVII, II, 1, pp. 113–120.

1896. *Zool. Centralbl.* III, pp. 698–700.

LOHMANN, H.

1896. Die Appendikularien der Expedition. (In) Zool. Ergebn. Ges. Erdk. Berlin Grönland-exped. *Bibl. Zoologica,* VIII, xx, 2, pp. 25–44, pl. ii.

1896. New *Appendiculariæ*. *Jrn. R. Micr. Soc.* 1896, pp. 300–301.
1897. *Zool. Centralbl.* IV, pp. 34–37.

1896. Die Appendicularien der Plankton-Expedition. (In) Ergebn. der Plankt.-Exped. der Humboldt-Stiftung. II, E. *c.* 148 pp., 24 pls., 1 diagr. 4°. Kiel & Leipzig.

1906. *Ann. Soc. malac. Belg.* XLI, pp. 92–104 *passim.*

1896. Ueber die Verbreitung der Appendicularien im Atlantischen Ocean. *Verh. Ges. deutsch. Naturf.* LXVII, II, 1, pp. 113–120.

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 2–3. [Above three memoirs.]
1904. *Arch. Naturg.* LXIII, II, 3, p. 194.

1899. Das Gehäuse der Appendicularien nach seiner Bildungsweise, seinem Bau, und seiner Function. *Zool. Anzeig.* XXII, pp. 206–214, 4 figs.

1899. Das Gehäuse der Appendicularien, sein Bau, seine Funktion, nne seine Entstehung. *Schr. Ver. Schleswig-Holst.* XI, 2, pp. 347–407, pls. i–iv, text-ff. 1–10.

1906. *Ann. Soc. malac. Belg.* XLI, pp. 92–104 *passim.*

1899. Untersuchungen über den Auftrieb der Strasse von Messina mit besonderer Berücksichtigung der Appendicularien und Challengerien. *Sitzber. Akad. Wiss. Berlin,* 1899, 1, pp. 384–400.

1899. Appendicularii of the Straits of Messina. *Jrn. R. Micr. Soc.* 1899, p. 385.
1900. *Zool. Jahresb.* 1899, Tunicata, pp. 2–4. [Above three memoirs.]
1904. *Arch. Naturg.* LXIII, II, 3, pp. 203–204.

1900. Die Appendicularien. (In) Römer & Schaudinn's Fauna Arctica, I, 3, pp. 363–378, 5 figs. (p. 371). 4°. Jena.

1901. Die Appendicularien. (In) K. Brandt's Nordisches Plankton, I, 3, pp. 11–21, ff. 12–24 (8 sps.). 8°. Kiel & Leipzig.

1903. Neue Untersuchungen über den Reichthum des Meeres an Plankton und über Brauchbarkeit der verschiedenen Fangmethoden. Zugleich auch ein Beitrag zur Kenntniss des Mittel-meerauftriebs. (In) Wiss. Meeres. deutsch. Meere in Kiel, (N. F.) VII, Abth. Kiel, pp. 1–87, pls. i–iv. [pp. 23–32, pl. iv, figs. 1–6 (*Appendiculariæ*).]

Lohmann, H.

1903. Untersuchungen über die Tier- und Pflanzenwelt sowie über die Bodensedimente des Nordatlantischen Ozeans zwischen dem 38 und 50 Grade nördlicher Breite. *Sitzber. Akad. Wiss. Berlin*, 1903, 1, pp. 560–583, pl. i. [pp. 562–575 *passim*.]

1905. Die Appendicularien des arktischen und antarktischen Gebiets, ihre Beziehungen zueinander und zu den Arten des Gebiets der warmen Ströme. *Zool. Jahrb.*, Suppl. VIII, pp. 353–382, pls. xi, xii.

1906. Arctic and Antarctic Appendiculariæ. *Jrn. R. Micr. Soc.* 1906, p. 547.

1906. Ueber einige faunistische Ergebnisse der Deutschen Südpolar-Expedition, unter besonderer Berücksichtigung der Meeresmilben. *Schrift. naturw. Ver. Schleswig-Holstein*, XIV, 1, pp. 1–14. [pp. 1–6 *passim*.]

1908. Ueber die Beziehungen zwischen den pelagischen Ablagerungen und dem Plankton des Meeres. *Internat. Rev. Hydrobiol.* I, 3, pp. 309–323, 1 pl. [pp. 317–318.]

1908. Untersuchungen zur Feststellung des vollständigen Gehaltes des Meeres an Plankton. (In) Wiss. Meeres. Komm. deutsch. Meere, (n. f.) X, Abt. Kiel, pp. 127–370, pl. ix–xvii, 22 text-figs. fol. Kiel & Leipzig. [pp. 289, 313, 320.]

1909. Copelata und Thaliacea. (In) Die Fauna Südwest-Australiens. Ed. by W. Michaelsen & R. Hartmeyer. (In progress.) II, 10, pp. 143–149 (7 sps.), 1 fig. 8°. Jena.

1909. Die Gehänse und Gallertblasen der Appendicularien und ihre Bedeutung für die Erforschung des Lebens im Meer. *Verh. deutsche zool. Ges.* XIX, pp. 200–239, 6 figs.

1909. Die Strömungen in der Strasse von Messina und die Vertheilung des Planktons in dersalben. *Internat. Rev. Hydrobiol.* II, pp. 505–556, pl. xix, 1 text-fig., 2 tables. [pp. 526–556, tables A and B.]

1910. *Zool. Jahresb.* 1909, Tunicata, pp. 2–3. [Above three memoirs.]

1910. *Zool. Zentralbl.* XVII, pp. 71–77. [Above two memoirs.]

Lomas, *Joseph.*

1903. On deposits dredged by Professor Herdman in the Indian Ocean. *Rep. Brit. Assoc.* 1902, pp. 644–646. [pp. 644, 645.]

Lönnberg, *Axel Johan Einar.*

1898. Undersökningar rörande Öresunds Djurlif. *Medd. Kongl. Landtbr.* 1898, 1, iv + 76 pp., 1 chart. [pp. 19, 58, 64 (5 sps.).]

Lönnberg, *A. J. E.*

1899. Fortsatta undersökningar rörande Öresunds Djurlif. *Medd. Kongl. Landtbr.* 1899, 1, iv + 24 pp. [p. 12 (*Styelopsis grossularia*).]

Lorleberg, *Otto.*

1907. Untersuchungen über den feineren Bau des Nervensystems der Ascidien. *Zeitschr. wiss. Zool.* LXXXVIII, 2, pp. 212–248, pls. xiv, xv.

Loyez, *Marie.*

1909. Les premiers stades de la vitellogénèse chez quelques Tuniciers. *Compt. rend. Assoc. Anat.* XI, pp. 189–195, 6 figs.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 4.

Lubarsch, *Ernst Erdmann Oscar.*

1891. Untersuchungen über die Ursachen der angeborenen und erworbenen Immunität. *Zeitschr. klin. Med.* XVIII, pp. 421–468, pls. iii, iv; XIX, pp. 80–108, 215–269, 360–391. (*Fide* Matzdorff.)

Lucas, *Robert.*

1897. Die Zoologische Sammlung des Königlichen Museums für Naturkunde zu Berlin. Die Tunicaten - Sammlung. *Naturw. Wochenschr.* XII, pp. 388–389, 1 fig.

Ludwig, *Hubert Jacob.*

1883. Synopsis der Thierkunde. *See* Leunis, J.

Lukas, *T.*

1905. Psychologie der niedersten Thiere. 8°. Wien & Leipzig. [*Salpa.*] (*Fide* Matzdorff.)

Lund, *A.*

1830. Observation sur une espèce de Méduse agrégée, et Description de deux Biphores des côtes de Norwége. *Ann. Sci. nat.* (1) XXI, p. 112.

Lütken, *Christian Frederik.*

1860. Nogle Bemærkninger om de ved de danske Kyster iagttagne Arter af eenlige Söpuinge (Ascidiæ simplices). *Vid. Medd. Foren. Kjöbenh.* 1859, pp. 201–208.

1875. A revised catalogue of the Tunicata of Greenland. (In) Manual of the Natural History, Geology, and Physics of Greenland . . . xii, pp. 138–139. 8°. London. [13 sps.]

1887. Dijmphna-Togtets Udbytte. *See* Traustedt, M. P. A.

Lyon, *E. P.*

1907. Results of centrifugalizing Eggs. *Arch. Entwick. Org.* XXIII, pp. 151–173, 3 figs. [pp. 169, 171 (*Cynthia*).]

M.

Maas, *Otto.*

1903. Einführung in die experimentelle Entwickelungsgeschichte. 8°. Wiesbaden. [pp. 52–54, 67, 117, ff. 48–51.]

Macalister, *Alexander.*

1876. An Introduction to Animal Morphology and Systematic Zoology. Part 1.–Invertebrata. 8°. London. [pp. 231–241.]

1878. Zoology of the Invertebrate Animals. 12°. London. [pp. 75–77, 78, f. 46 (*Amouroucium*).]

(*Ibid.* ed. 5, 1889.)

MacAndrew, *Robert.*

1851. Notes on the distribution and range in depth of Mollusca and other Marine Animals observed on the Coasts of Spain, Portugal, Barbary, Malta, and Southern Italy in 1849. *Rep. Brit. Assoc.* 1850, pp. 264–304. [p. 274 (*Salpæ*).]

1855. List of species of Mollusca obtained by Prof. Goodsir from Spitzbergen. *Ann. Nat. Hist.* (2) XVI, pp. 465–466. [p. 465 (3 sps.).]

1860. List of the British Marine Invertebrate Fauna. 71 pp. 4°. London. [pp. 18–19 (73 sps.).] (And) 1861. *Rep. Brit. Assoc.* 1860, pp. 217–236. [p. 222.]

McAndrew, *R., & L.* **Barrett.**

1856. List of the Mollusca observed between Drontheim and the North Cape. *Ann. Nat. Hist.* (2) XVII, pp. 378–386. [p. 385 (7 sps.).]

MacBride, *Ernest William.*

1895. Sedgwick's Theory of the embryonic phase of Ontogeny as an aid to Phylogenetic Theory. *Qrt. Jrn. Micr. Sci.* (N.S.) XXXVII, pp. 325–342. [p. 342.]

1901. Zoology. *See* Shipley, A. E., & E. W. MacBride.

Macculloch, *John.*

1819. A description of the Western Islands of Scotland including the Isle of Man. 2 vols. 8°; Atlas, 4°. London. [II, pp. 187–192, pl. xxix, f. 2 (*Salpa ? moniliformis*).]

Macdonald, *John Denis.*

1857. Further observations on Deep Soundings obtained by H.M.S. "Herald" . . . ; with an account of the examination of the alimentary matter of the *Salpæ* as bearing on the nature of the materials composing the Sea-bottom. *Ann. Nat. Hist.* (2) XX, pp. 264–266, pl. vii.

Macdonald, *J. D.*

1858. Anatomical observations on a new form of compound Tunicata. *Ann. Nat. Hist.* (3) I, pp. 401–406, pl. xi, 4 text-figs. [*Chondrostachys.*]

1859. *Arch. Naturg.* XXV, II, p. 296.

1859. On the anatomical characters of three Australian species of Tunicata referable to Savigny's subgenus *Cæstra*. *Trans. Linn. Soc. Lond.* XXII, 4, pp. 367–371, pl. lxiv.

1859. On the anatomical characters of a remarkable form of compound Tunicata. *Trans. Linn. Soc. Lond.* XXII, 4, pp. 373–375, pl. lxv (1).

1859. On the anatomical characters of an Australian species of *Perophora*. *Trans. Linn. Soc. Lond.* XXII, 4, pp. 377–379, pl. lxv (2).

1861. On the circulation of the Blood in *Pegea*, as bearing on the question of a lining to the vascular system in the Tunicata in general. *Trans. Linn. Soc. Lond.* XXIII (1863), 2, pp. 371–372, pl. xxxv.

1862. On a new genus of Tunicata occurring on one of the Bellona Reefs. *Jrn. Linn. Soc. Lond.*, Zool. VI, pp. 78–81, 4 figs. [*Pera.*]

1863. On the representative relationships of the fixed and free Tunicata, regarded as two sub-classes of equivalent value; with some general remarks on their Morphology. *Trans. Roy. Soc. Edinb.* XXIII (1864), 2, pp. 171–183, pl. ix, ff. 1, 2, and table.

1864. On the morphological relationships of the Molluscoida and Cœlenterata, and of their leading members, *inter se*. *Trans. Roy. Soc. Edinb.* XXIII, 3, pp. 515–521, 1 fig. [Tunicata.]

1865. *Zool. Record*, I, pp. 251–254. [Above two memoirs.]

1871. Outline of a scheme of classification of the Invertebrata founded upon the progressive development theory. *Ann. Nat. Hist.* (4) VIII, pp. 221–223. [pp. 222.]

McDonald, *Marshall.*

1889. Distribution of duplicate sets of Marine Invertebrates, 1879–1886. *Rep. U. S. Fish Comm.* XIV, pp. 843–863. [pp. 856–859 (20 sps.).]

Macgillivray, *William.*

1843. A history of the Molluscous Animals of the counties of Aberdeen, Kincardine, and Banff; . . . 12°. London & Aberdeen. [pp. 307–314 (4 sps.).]

MACGILLIVRAY, *W.*

1844. A history of the Molluscous Animals of Scotland, as found in the north-eastern district. Ed. 2 (of the 1843 work). 12°. London. [pp. 307–314 (4 sps.).]

1845. Conchologist's Text-book. *See* BROWN, T.

McIntosh, *William Carmichael.*

1866. Observations on the Marine Zoology of the North Uist, Outer Hebrides. *Proc. Roy. Soc. Edinb.* V, pp. 600–614, 7 figs. [pp. 603–606 (12 sps.), f. 2.]

1866. Some Observations on British *Salpæ*. *Jrn. Linn. Soc. Lond.*, Zool. IX (1868), pp. 41–48, pl. i.

1867. Notes on *Pelonaia corrugata*. *Ann. Nat. Hist.* (3) XIX, pp. 414–418, pl. xii.

1867. On a new Molluscoid Animal allied to *Pelonaia* (Forbes & Goodsir). *Rep. Brit. Assoc.* 1866, Sect. pp. 75–76.

1867. On a rare Molluscoid Animal (*Pelonaia corrugata*). *Rep. Brit. Assoc.* 1866, Sect. p. 76.

1868. Report on the Invertebrate Marine Fauna and Fishes of St. Andrews. *Rep. Brit. Assoc.* 1867, Sect. p. 92. [2 sps.]

1874. On the Invertebrate Marine Fauna and Fishes of St. Andrews. Molluscoida. *Ann. Nat. Hist.* (4) XIII, pp. 302–315. [pp. 312–315 (14 sps.).]

1875. The Marine Invertebrata and Fishes of St. Andrews. 4°. Edinburgh & London. [pp. 2, 3, 6, 51–56 (14 sps.), pls. (pars) ii, viii, ix, 2 text-figs.]

1887. On the presence of swarms of Appendicularians. *Ann. Nat. Hist.* (5) XX, pp. 102–103.

1889. On the Pelagic Fauna of the Bay of St. Andrews during the months of 1888. I.–General Remarks. *Rep. Fish. Board Scotland*, VII, III, pp. 259–310, pls. iii–vi. [pp. 269, 288, 294 (*Appendiculariæ*).]

1890. On the Pelagic Fauna of the Bay of St. Andrews during the months of 1888. II.–Remarks on the more interesting members of the Invertebrate Pelagic Fauna. *Rep. Fish. Board Scotland*, VIII, III, pp. 270–282. [p. 271 (*Appendicularia*).]

1893. The Pelagic Fauna of the Bay of St. Andrews. *Rep. Fish. Board Scotland*, XI, III, pp. 284–389. [p. 285 (*Oikopleura cophocerca*) ; pp. 289–383 *passim*.]

1896. On contrasts in the Marine Fauna of Great Britain. *Ann. Nat. Hist.* (6) XVIII, pp. 400–415. [pp. 401, 402, 407–408, 410, 414.]

1899. The Resources of the Sea . . . off the Scottish Shores. 8°. London. [pp. 21, 43, 48–49.]

McIntosh, *W. C.*

1901. The coloration of Marine Animals. *Ann. Nat. Hist.* (7) VII, pp. 221–240. [pp. 234–235.]

1905. *Arch. Naturg.* LXIII, II, 3, p. 180.

1904. On the distribution of Marine Animals. *Ann. Nat. Hist.* (7) XIII, pp. 117–130. [p. 121.]

1904. *Zool. Centralbl.* XI, pp. 650–651. [p. 651.]

1905. On Budding in Animals. *Zoologist,* (4) IX, pp. 1–21. [p. 18.]

1906. Photogenic Marine Animals. *Zoologist,* (4) X, pp. 1–20. [pp. 14–15.]

Macleay, *Sir William John.*

1878. On the power of locomotion in the Tunicata. *Proc. Linn. Soc. N. S. Wales,* III (1879), 1, pp. 54–55.

1879. Power of locomotion in the Tunicata. *Jrn. R. Micr. Soc.* II, p. 302.

MacLeay, *William Sharp.*

1821. Horæ Entomologicæ: or Essays on the Annulose Animals, . . . 2 parts. 8°. London, 1819–21. [2, pp. 203–205, 227–232, 317–323.]

1825. Anatomical Observations on the natural group of Tunicata, with the description of three species collected in Fox Channel . . . *Trans. Linn. Soc. Lond.* XIV, pp. 527–555, pls. xviii–xx.

1826. Observations anatomiques sur le groupe des Tuniciers. *Bull. Sci. nat. géol.* VII, pp. 262–265.

1829. Ueber die naturlichte Gruppe der Tunicata. *Isis,* 1829, pp. 1097–1106.

MacMunn, *C. A.*

1889. Contributions to Animal Chromatology. *Qrt. Jrn. Micr. Sci.* (N.S.) XXX (1890), 2, pp. 51–96, pl. vi. [pp. 64, 79–84, pl. vi, sp. 16, 17 (*Styela grossularia*).]

McMurrich, *James Playfair.*

1882. Note on the function of the test-cells in Ascidian Ova. *Zool. Anzeig.* V, pp. 356–357.

1882. Test-cells in Ascidian Ova. *Jrn. R. Micr. Soc.* (2) II, pp. 491–492.

1882. On the origin of the so-called "test-cells" in the Ascidian Ovum. *Stud. Johns Hopkins Univ.* II, 2, pp. 147–156, pl. x.

1882. Sur l'origine des "cellules du test" dans l'œuf d'Ascidie. *Arch. Zool. expér.* X, 4, pp. lxii–lxix.

1882. *Biol. Centralbl.* II, pp. 620–621.

1883. *Zool. Jahresb.* 1882, iii, p. 4.

1883. *Zool. Record,* XIX, Moll. p. 101.

McMurtrie, *Henry.*

1831. Animal Kingdom. *See* Cuvier, G. L. C. F. D.

Macquart, *Pierre Justin Marie.*

1850. Facultés intérieures des Animaux Invertébrés. 8°. Lille. [pp. 45–49.]

Magnus, *R.*

1902. Die Bedeutung des Ganglions bei *Ciona intestinalis*. *Mitth. zool. Stat. Neapel,* XV, 4, pp. 483–486, 1 fig.

1903. Function of ganglion in *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1903, p. 489.

Maillard, *L.*

1904. Traité d'Histologie. *See* Prenant, A., P. Bouin, & L. Maillard.

Maitland, *R. T.*

1897. Prodrome de la Faune des Pays-Bas et de la Belgique flamande, . . . 62 pp. 4°. Leide. [p. 34 (20 sps.).]

Malard, *A. Eugène.*

1902. Des variations mensuelles de la Faune et de la Flore maritime de la baie de la Hougue. *Bull. Mus. Hist. nat.* VIII, pp. 30–35, 190–197. [p. 194 (3 sps.).]

Marage, — .

1905. Ponrquoy certains sourds-muets entendent mieux les sons graves que les sons aigus. *Compt. rend. Acad. Sci.* CXLI, pp. 780–781. [*Cyona* (sic) *intestinalis*.]

Marchal, *P.*

1889. L'acide urique et la fonction rénale chez les Invertébrés. *Mém. Soc. zool. France,* III, pp. 31–87. [pp. 39, 86.]

Marcusen, *Johann.*

1852. Zur Histologie des Nervensystems. *Bull. Acad. Sci. St. Pétersb.,* phys.-math. X, cols. 187–192. [col. 192 (*Salpa*).]

1852. *Tagsber. Fortschr.* (Froriep). Zool. III, pp. 73–78. [p. 77.]

Maréchal, *J.*

1905. Ueber die morphologische Entwickelung der Chromosomen im Teleostierei (mit einem Zusatz über das Ovarialei von *Amphioxus lanceolatus* und *Ciona intestinalis*). *Anat. Anzeig.* XXVI, pp. 641–652, 27 figs. [pp. 651–652, ff. 22, 23, 25, 26.]

1907. Sur l'ovogénèsè des Sélaciens et de quelques autres Chordates. 1e mém.–Morphologie de l'élément chromosomique dans l'ovocyte I chez les Sélaciens, les Teléostéens, les Tuniciers, et l'*Amphioxus*. *Cellule,* XXIV, pp. 1–239, 11 pls. [pp. 44–46, 48, 50, 90–91, 139–189 *passim*, 227, 235, pl. iii, ff. 43–46, pl. xi, ff. 132–136 (*Ciona* and *Clavelina*).]

Marine Biological Association.

1904. Plymouth Marine Invertebrate Fauna, being notes on the local distribution of species occurring in the neighbourhood. *Jrn. Marine Biol. Assoc.* (N. S.) VII, pp. 155–298, 1 chart. [pp. 295–298 (36 sps.).]

1909. Trawling Investigations, 1904–5. (In) Second Report (southern area) on Fishery and Hydrographical Investigations in the North Sea and adjacent waters, 1904–05. Part II. fol. London. [pp. 119, 137, 145, 153, 169.]

Marion, *Antoine Fortuné.*

1873. Recherches sur les Animaux inférieurs du Golfe de Marseille. *Bibl. École haut. étud.* VII, 4, 23 pp., 1 pl. (And) *Ann. Sci. nat.* (5) XVII, 6, 23 pp., pl. xvii. [p. 9 (Parasitism).]

1883. Equisse d'une Topographie zoologique du Golfe de Marseille. *Ann. Mus. Marseille,* I, Zool. 1, 108 pp., 1 chart. [pp. 30, 31, 38, 68, 84, 91, 94, 105.]

Marschall, *August Friedrich von.*

1873. Nomenclator Zoologicus . . . Mollnscoidea, pp. 143–150. 8°. Vindobonæ. [*passim.*]

Marshall, *Arthur Milnes.*

1891. The Development of Animals. (Address.) *Rep. Brit. Assoc.* 1890, pp. 826–852. [pp. 831, 834, 839, 842, 849.]

1891–92. Outline Classification of the Animal Kingdom. *Owens Coll. Mus. Handb.* 3. Eds. 1 and 2. 15 pp. 8°. Manchester. [p. 12.]

1892. The Ancestry of Vertebrates. *Trans. Manch. Micr. Soc.* 1891, pp. 1–11. [p. 10.]

1895. Address to the Biological Section of the British Association (1890). (Reprint.) *Stud. Biol. Owens Coll.* III, pp. 1–48. [pp. 11, 16, 24, 30, 42.]

Marshall, *William Adolf Ludwig.*

1888. Die Tiefsee und ihr Leben. 8°. Leipzig. [pp. 296–299, ff. 103, 104.]

1893. Die niederen Tiere. Brehms Tierleben, X. Ed. 3. 8°. Leipzig & Wien. [pp. 237–249, 1 pl., 9 text-figs.]

1895. Die deutschen Meere und ihre Bewohner. 2 vols. 8°. Leipzig. [II, pp. 444–446, fig. (*Clavelina lepadiformis*).]
(The pagination is continuous.)

1899. Der niederen Tiere. (Vol. III of) Bilder-Atlas zur Zoology. 3 vols. 8°. Leipzig. [*Botryllus, Clavelina, Phallusia, Salpa.*]

Marsigli, *Luigi Ferdinando.*

1725. Histoire physique de la Mer, . . . fol. Amsterdam. [pp. 80–81, 87–88, pl. xiii, f. 69, pl. xvi, f. 79.]

1786. Natuurkundige beschryving der Zeën, . . . Transl. . . . by H. Boorhaave. fol. Gravenhage. [pp. 102–104, 111, pl. xiii, f. 69, pl. xvi, f. 79.]

Martens, *Edouard Carl von.*

1871–77. Molluscoidea. *Zool. Record.* 1870 (VII), pp. 180–186 [183–186] (1871). 1871 (VIII), pp. 174–178 [176–177] (1873). 1872 (IX), pp. 175–184 [178–183] (1874). 1873 (X), pp. 179–182 [180–181] (1875). 1874 (XI), pp. 191–198 [194–196] (1875). 1875 (XII), pp. 206–212 [207–211] (1877).

1878–85. Molluscoidea. *Zool. Record.* Mollusca. 1876 (XIII), pp. 63–67 [64–65] (1878). 1877 (XIV), pp. 88–98 [90–91] (1879). 1878 (XV), pp. 88–95 [90–91] (1880). 1879 (XVI), pp. 103–113 [105–106]; 1880 (XVII), pp. 105–125 [109–111] (1881). 1881 (XVIII), pp. 94–108 [96–101] (1882). 1882 (XIX), pp. 97–115 [100–109] (1884). 1883 (XX), pp. 97–113 [100–105] (1885).

1885. Tunicata. *Zool. Record,* 1884 (XXI), 6 pp. (1885).

1880–1900. Tunicata [and see under genera]. (In) Handwörterbuch der Zoologie, Anthropology, und Ethnology. 8 vols. 8°. Breslau.

1902. Die Mollusken (Conchylien) und die übrigen wirbellosen Thiere. (In) Rumphius's Gegenkbock (*Kolon. Mus. Haarlem*), pp. 109–136. fol. Haarlem. [p. 131.]

Martens, *Georg Matthias von.*

1824. Reise nach Venedig. 2 vols. 8°. Ulm. [II, pp. 479–480 (8 sps.).]

Martini, *E.*

1909. Studien über die Konstanz histologischer Elemente. 1. *Oikopleura longicauda. Zeitschr. wiss. Zool.* XCII, 4, pp. 563–626, pls. xxviii–xxx, 22 text-figs.

1909. Constancy of histological elements in *Oikopleura longicauda. Jrn. R. Micr. Soc.* 1909, pp. 344–345.

1909. Studien über die Konstanz histologischer Elemente. 2. *Fritillaria pellucida. Zeitschr. wiss. Zool.* XCIV, 1, pp. 81–170, pls. i–iii, 16 text-figs.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 3. [Above memoirs.]

MARTINI, *E.*

1909. Ueber Entelie und Neotenie. *Verh. deutsch. zool. Ges.* XIX, pp. 292–299. [pp. 292, 296, 297–298.]

1909. Ueber die Segmentierung des Appendicularienschwanzes. *Verh. deutsch. zool. Ges.* XIX, pp. 300–307, 7 figs.

1910. Weitere Bemerkungen über die sogenannte metamere Segmentirung des Appendicularienschwanzes. *Zool. Anzeig.* XXXV, pp. 644–652.

Martini, *Friedrich Heinrich Wilhelm.*

1775. F. H. W. Martini . . . allgemeine Geschichte der Natur in alphabetischer Ordnung. A—Coq. 8°. Berlin & Stettin, 1774–93. [II, p. 47.]

Martyn, *William Frederic.*

1785. A New Dictionary of Natural History; . . . 2 vols. fol. London. [I, Art. *Ascidia.*]

Masterman, *Arthur Thomas.*

1896. Preliminary note on the Anatomy of *Actinotrocha* and its bearing upon the suggested Chordate affinities of *Phoronis*. *Zool. Anzeig.* XIX, pp. 266–268.

1897. On the Structure of *Actinotrocha* considered in relation to the suggested Chordate affinities of *Phoronis*. *Proc. Roy. Soc. Edinb.* XXI, pp. 129–136, 4 figs.

1899. *Arch. Natury.* LX, ii, 3, p. 41.

1898. On the further Anatomy and the budding processes of *Cephalodiscus dodecalophus* (McIntosh). *Trans. Roy. Soc. Edinb.* XXXIX (1900), 3, pp. 507–527, 5 pls. [pp. 509, 510 (Urochorda).]

1898. On the theory of Archimeric Segmentation and its bearing upon the Phyletic Classification of the Cœlomata. *Proc. Roy. Soc. Edinb.* XXII (1900), pp. 270–310, 23 figs. [pp. 273, 274, 293, 301.]

1899. On the origin of the Vertebrate Notochord and Pharyngeal Clefts. *Rep. Brit. Assoc.* 1898, pp. 914–916. [*passim.*]

1901. Elementary Text-book of Zoology. 8°. Edinburgh. [pp. 288–297, ff. 201–209.]

1903. On the Diplochorda. IV. On the central complex *Cephalodiscus dodecalophus*, McI. *Qrt. Jrn. Micr. Sci.* (N. S.) XLVI, pp. 715–727, pls. xxxii, xxxiii. [p. 723.]

Mattioli, *Pietro Andrea.*

1554. P. A. Matthioli . . . Commentarii, in libros sex Pedacii Dioscoridis . . . de medica materia. fol. Venetiis. [Lib. V, cap. 90, pp. 622–623 (*Alcyonium*).]

Mattioli, *P. A.*

1598. P. A. Matthioli . . . Opera quæ extant omnia; . . . Commentarii in VI libros P. Dioscoridis . . . de Medica Materia. fol. Basileæ. [Lib. V, cap. 94, pp. 952–953, 1 fig.]

Matzdorff, *Carl.*

1891. Ueber den Generations-wechsel der Salpen (nach O. Seeliger). *Naturw. Wochenschr.* V, p. 438.

1895–1904. Jahresbericht über die Tunikaten. *Arch. Naturg.* II, 3. 1891, LVIII, pp. 1–15 (1895). 1892–93, LIX, pp. 1–40 (1897). 1894–96, LX, pp. 7–64 (1899). 1897–98, LXI, pp. 137–172 (1901). 1899–1902, LXIII, pp. 147–206 (1904).

1905–9. Tunicata. *Arch. Naturg.* II, 3. 1903, LXIV, pp. 102–128 (1905). 1904, LXVII, pp. 569–596 (1907). 1905, LXIX, 24 pp. (1908). 1906, LXXIII, 19 pp. (1909).

Maunder, *Samuel.*

1848. The Treasury of Natural History . . . 12°. London. [pp. 39, 81, 556, 706–707.]

1874. The Treasury of Natural History . . . [Ed. 7.] 12°. London. [pp. 39, 81, 556, 706–707, 779, 781, 782 (3 figs.).]

Maurice, *Charles.*

1886. Notes sur l'*Amaræcium torquatum*. *Arch. Zool. expér.* (2) IV, pp. xxvi–xxxii.

1886. Sur l'appareil branchial, les systèmes nerveax et musculaire de l'*Amaræcium torquatum*. *Compt. rend. Acad. Sci.* CIII, pp. 434–436.

1886. Structure of *Amaræcium torquatum*. *Jrn. R. Micr. Soc.* (2) VI, pp. 955–956.

1886. Sur la cœur, le tube digestiv, et les organes génitaux de l'*Amaræcium torquatum*. *Compt. rend. Acad. Sci.* CIII, pp. 504–506.

1886. On the Heart, the Digestive Tube, and the Generative Organs of *Amaræcium torquatum*. (Transl.) *Ann. Nat. Hist.* (5) XVIII, pp. 418–419.

1887. *Zool. Record*, XXIII, Tunicata. p. 3. [Above memoirs.]
1888. *Arch. Naturg.* LI, II, 3, pp. 220–221.
1888. *Zool. Jahresb.* 1886, Tunicata, p. 7.

1888. Étude monographique d'une espèce d'Ascidie composée (*Fragaroides aurantiacum*, n. sp.). *Arch. Biologie*, VIII, 2, pp. 205–495, pls. xvia–xix (7). (And sep.) 315 pp., 7 pls. 8°. Paris & Liege.

1889. Monograph of *Fragaroides aurantiacum*. *Jrn. R. Micr. Soc.* 1889, p. 40.
1890. *Zool. Jahresb.* 1888, Tunicata, pp. 3–5.

Maurice, *C., & M. A.* **Schul'ghin.**

1884. Embryogénie de *l'Amarœcium proliferum* (Ascidie composée). *Bibl. École haut. étud.* XXIX, 3, 46 pp., 2 pls. (And) *Ann. Sci. nat.* (6) XVII, 2, 46 pp., pls. ix, x.

1885. Development of *Amarœcium proliferum*. *Jrn. R. Micr. Soc.* (2) V, pp. 437–438.

1885. *Zool. Jahresb.* 1884, IV, p. 5.

1887. *Arch. Naturg.* LI, II, 3, pp. 161–162.

Mayer, *Alfred Goldsborough.*

1903. The Bahamas vs. Tortugas as a station for research in Marine Zoology. *Science,* (N. S.) XVIII, pp. 369–371. [p. 370 (*Salpa*).]

Meckel, *Johann Friedrich.*

1809–10. Vergleichenden Anatomie. *See* Froriep, L. F. von, & J. F. Meckel. (In Add.)

1821–33. System der vergleichenden Anatomie. 6 Thl. (in 7 vols.). 8°. Halle. [I (1821), p. 130; III (1828), pp. 53–54; IV (1829), pp. 163–167; V (1831), pp. 103–106; VI (1833), pp. 55, 65–67.]

1829–38. Traité général d'Anatomie comparée . . . traduit . . . par — Riester & A. Sanson. 10 vols. 8°. Paris, 1828–38. [V (1829), pp. 140, 143, 144; VII (1836), pp. 266–271); IX (1837), pp. 144–147; X (1838), pp. 79, 90–92.]

Medlock, *Henry.*

1851–54. Book of Nature (1851). Elements of Zoology (1854). *See* Schoedler, F. C. L.

Meissner, *M.*

1893. Das Einnisten von *Crenella marmorata* (Forb.) in den Mantel der *Ascidiella virginea* (Müll.). *Sitzber. Ges. Freunde Berlin,* 1893, pp. 259–260.

Meneghini, *Guiseppe.*

1847. Annotazioni. (In) Osservazioni postume di Zoologia Adriatica del Professore Stefano Andrea Renier. (*Ist. veneto Scienze.*) fol. Venezia. [p. 119 (*Amaroucium conicum*).]

1847. Nota sul *Amaroucium conicum,* tenuto più giorni vivente in un vaso di acqua marini. (In) Osservazioni postume di storia naturale del Renier. (*Ist. veneto Scienze.*) fol. Venezia. [p. 119.]

Menke, *Karl Theodor.*

1830. Synopsis methodica Molluscorum . . . quæ in Museo Menkeano observantur; . . . Ed. alt. 8°. Pyrmonti. [pp. 122–124.]

(Tunicata not in ed. 1, 1828.)

Mercati, *Michel.*

1717. M. Mercati . . . Metallotheca. Opus posthumum, . . . fol. Romæ. [Caput VI, pp. 102–103, 2 upper figs. (*Alcyonium quintum*).]

Merrett, *Christopher.*

1667. Pinax rerum naturalium Britannicorum, continens Vegetabilia, Animalia, et Fossilia. 12°. Londini. [p. 194 (*Tethyæ*).]

Merrifield, *Mary Philadelphia.*

1860. A sketch of the Natural History of Brighton and its vicinity. 8°. Brighton. [p. 81 (8 sps.).]

Mertens, *Carl Heinrich.*

1828. [*Stephanomia* the ovary of *Diphya* = *Physophora*.] *Notizen*, XX, cols. 153–154.

1828. Note sur la Diphye, Bory, de MM. Quoy et Gaimard, et la Stéphanomie de Péron et Lesueur. (Transl.) *Bull. Sci. nat. géol.* XXVIII, pp. 298–299.

1830. Beschreibung der *Oikopleura*, einer neuen Molluskengattung. *Mém. Acad. Sci. St. Pétersb.* (6) I (1831), 2, pp. 205–220, 2 pls. [*O. Chamissoni*.]

1831. Description d'un nouveau genre de Mollusques. *Oikopleura*. *Bull. Sci. nat. géol.* XXIV, pp. 84–86.

1836. *Isis*, 1836, cols. 300–306.

Metcalf, *Maynard M.*

1892. The anatomy and development of the Eyes and subneural Gland in *Salpa*. *Johns Hopkins Univ. Circ.* XI, pp. 78–79.

1892. Eyes and subneural Gland in *Salpa*. *Jrn. R. Micr. Soc.* 1892, pp. 466–467.

1893. Notes upon an apparently new species of *Octacnemus*, a deep-sea Salpa-like Tunicate. *Johns Hopkins Univ. Circ.* XII, pp. 98–100, 6 figs.

1894. New species of *Octacnemus*. *Jrn. R. Micr. Soc.* 1894, p. 467.

1897. *Arch. Naturg.* LIX, II, 3, p. 32.

1893. On the Eyes, subneural Gland, and central Nervous System in *Salpa*. *Zool. Anzeig.* XVI (1894), pp. 6–10.

1894. Eyes and central Nervous System of *Salpa*. *Jrn. R. Micr. Soc.* 1894, pp. 167–168.

1893. The Eyes and subneural Gland of *Salpa*. (In) The Genus *Salpa* by W. K. Brookes, pp. 305, 370–389, 396, pls. xlvii–lvii, 2 text-figs. 4°. Baltimore.

1894. *Zool. Jahresb.* 1893. Tunicata, pp. 25–29.

METCALF, *M. M.*

1895. Notes on Tunicate Morphology. I. The "Sub-neural Gland" in Ascidians. *Anat. Anzeig.* XI, pp. 277–280, 3 figs.

1896. "Sub-neural" Gland in Ascidians. *Jrn. R. Micr. Soc.* 1896, p. 52.

1895. Notes on Tunicate Morphology. II. On the presence of pharyngeal and cloacal Glands in *Cynthia* (*Halocynthia*) *partita* Stimpson. *Anat. Anzeig.* XI, pp. 329–340, 9 figs.

1896. Notes on Tunicate Morphology. *Jrn. R. Micr. Soc.* 1896, p. 49.

1896. *Zool. Centralbl.* III, pp. 908–909. [Above two memoirs.]

1897. The follicle Cells in *Salpa*. *Johns Hopkins Univ. Circ.* XVII, pp. 3–5, 1 fig. *Zool. Anzeig.* XX, pp. 210–217, 1 fig. (And) 1898. *Ann. Nat. Hist.* (7) I, pp. 89–96, 1 fig.

1898. *Zool. Centralbl.* V, pp. 427–428.

1897. The neural Gland in *Ascidia atra*. *Zool. Bull. Woods Holl,* I, 3, pp. 143–146, 4 figs.

1898. *Zool. Centralbl.* V, p. 298.

1898. *Zool. Jahresb.* 1897, Tunicata, p. 2.

1898. *Zool. Record.* XXXIV, Tunicata, p. 2.

1898. Note on Ascidian Anatomy. *Science,* (N. S.) VII, pp. 202–203.

1902. *Arch. Naturg.* LXI, II, 3, p. 140.

1898. The Eyes and subneural Gland of *Salpa*. 26 pp. 8°. Baltimore.

1898. The neural Gland in *Cynthia papillosa*. *Anat. Anzeig.* XIV, pp. 467–470, 3 figs.

1898. Neural Gland in *Cynthia papillosa*. *Jrn. R. Micr. Soc.* 1898, p. 415.

1899. *Zool. Centralbl.* VI, p. 314.

1899. *Zool. Jahresb.* 1898, Tunicata, pp. 3–4.

1899. An answer to a suggestion by Delage and Hérouard that the accessory Eyes in Salpidæ may be Otocysts. *Anat. Anzeig.* XVI, pp. 301–302.

1899. Alleged Otocysts of Salpidæ. *Jrn. R. Micr. Soc.* 1899, p. 587.

1899. Some relations between nervous tissue and glandular tissue in the Tunicata. *Biol. Bull. Woods Holl,* I, 1, pp. 1–6, 5 figs.

1905. *Arch. Naturg.* LXIII, II, 3, p. 160.

1900. Notes on the Morphology of the Tunicata. *Zool. Jahrb.,* Anat. XIII, pp. 495–602, pls. xxxiv–xl, 10 text-figs.

1901. Morphology of Tunicata. *Jrn. R. Micr. Soc.* 1901, p. 27.

1901. *Zool. Jahresb.* 1900, Tunicata, pp. 2–3.

1905. *Arch. Naturg.* LXIII, II, 3, pp. 151–153.

1901. Phagocytosis in a Mammalian Ovary. *Biol. Bull. Woods Holl,* V, 2, pp. 338–339. [*Salpa.*]

METCALF, *M. M.*

1906. *Salpa* and the phylogeny of the Eyes of Vertebrates. *Anat. Anzeig.* XXIX, pp. 526–528.

1907. *Zool. Zentralbl.* XIV, p. 183.

1909. Les Salpes et la phylogénie des yeux des Vertebrates. *Année biol.* XI, p. 342.

Metcalf, *M. M., & Mary E. G.* **Lentz-Johnson.**

1905. The Anatomy of the Eyes and neural Glands in the aggregated forms of *Cyclosalpa dolichosoma-virgula* and *Salpa punctata*. *Biol. Bull. Woods Holl,* IX, pp. 195–207, pls. vii–ix, 6 text-figs.

1906. *Zool. Jahresb.* 1905, Tunicata, pp. 11–12.

Metschnikoff, *Elias.*

1868. Entwickelungsgeschichtliche Beiträge. VII. Ueber die Larven und Knospen von *Botryllus*. *Bull. Acad. Sci. St. Pétersb.* XIII (1869), cols. 291–293.

1868. Entwickelungsgeschichtliche Beiträge. VIII. Embryonalentwickelung der einfachen Ascidien. *Bull. Acad. Sci. St. Pétersb.* XIII (1869), cols. 293–298.

1869. *Arch. Natury.* XXXV, II. pp. 101–102. [Above memoirs.]

1870. *Zool. Record,* VI, pp. 594–595.

1872. Zur Entwickelungsgeschichte der einfachen Ascidien. *Zeitschr. wiss. Zool.* XXII, 3, pp. 339–347, 8 figs.

1874. *Zool. Record,* IX, p. 179.

1882. Zur Lehre über die intracelluläre Verdauung niederer Thiere. *Zool. Anzeig.* V, pp. 310–316. [p. 315 (*Appendicularia* and *Botryllus*).]

1883. Untersuchungen über die intracelluläre Verdauung bei wirbellosen Thieren. *Arb. zool. Inst. Wien,* V, pp. 141–168, pls. xiii, xiv. [pp. 155, 161, 165, pl. ii, ff. 54–56.]

1884. *Zool. Jahresb.* 1883, IV. pp. 3–5.

Metzger, *A.*

1871. Die wirbellosen Meeresthiere der ostfriesischen Küste. *Jahresb. Ges. Hannover,* 1869–70, pp. 22–36. [p. 30.]

Meuschen, *Friedrich Christian.*

1778. Museum Genersianum, sive index rerum naturalium . . . 8°. Roterodami. [p. 50 (*Ascidia intestinalis* and *A. papillosa*).]

Meyen, *Franz Julius Ferdinand.*

1832. Beiträge zur Zoologie, gesammelt auf einer Reise um die Erde. 1. Ueber die Salpen. *Nova Acta Akad. Leop.-Car.* XVI, 1, pp. 363–422, pls. xxvii–xxix.

Meyen, *F. J. F.*

1834. Beiträge zur Zoologie, gesammelt auf einer Reise um die Erde. 5. Ueber das Leuchten des Meeres . . . *Nova Acta Akad. Leop.-Car.* XVI, Suppl. pp. 127–158, pl. xxvii. [pp. 139, 150–153.]

1834. Reise um die Erde ausgeführt auf dem . . . "Princess Louise" . . . 1830–32, . . . 4 vols. 4°. Berlin, 1834–43. Ueber die Salpen, III, 1, pp. 1–60, pls. i–iii. Ueber das Leuchten des Meeres, III, 5, pp. 249–282, pl. xxvii. [pp. 263, 274–277.]

1835. *Isis*, 1835, I. col. 73.

Meyer, *H. Adolph, & Karl August* **Moebius.**

1862. Kurzer Ueberblick der in der Kieler Bucht von uns beobachteten wirbellosen Thiere. *Arch. Naturg.* XXVIII, I, pp. 229–237. [pp. 233–234 (4 sps.).]

Meyer, *Juergen Bona.*

1855. Aristoteles Thierkunde. Ein Beitrag zur Geschichte der Zoologie, Physiologie, und alten Philosophie. 8°. Berlin. [pp. 179–180.]

Meyer, *Paul.*

1907. Mikroskopischen Technik. *See* Lee, A. B., & P. Meyer. (In Add.)

Miall, *Lewis Compton.*

1898. Address. *Rep. Brit. Assoc.* 1907, pp. 667–683. [pp. 675–680 *passim.*]

Michael, *Albert Davidson.*

1885. On the Larva of an Ascidian found at the Land's End. *Jrn. Quekett Micr. Club,* (2) II, pp. 111–114, pl. v (*Leptoclinum*).

Michaelsen, *Wilhelm.*

1898. Vorläufige Mittheilung über einige Tunicaten aus dem magalhaensischen Gebiet, sowie von Süd-Georgien. *Zool. Anzeig.* XXI, pp. 363–371.

1900. Die holosomen Ascidien des magalhaensisch-südgeorgischen Gebietes. *Zoologica,* XII, III, 31, 148 pp., 3 pls., 1 text-fig. 4°. Stuttgart.

1901. Entgegnung. *Zool. Anzeig.* XXV (1902), pp. 3–6 [pp. 3–5.]

1904. Die stolidobranchiaten Ascidien der deutschen Tiefsee-Expedition. (In) Wiss. Ergeb. deutsch. Tiefsee-Exped. . . . 1898–1899. VII, 2, pp. 181–260, pls. x–xiii.

MICHAELSEN, W.

1904. Revision der compositen Styeliden oder Polyzoinen. *Mitt. nat. Mus. Hamburg,* XXI, pp. 1–124, 3 pls., 1 text-fig.

1905. Revision von Heller's Ascidien-Typen aus dem Museum Godeffroy. *Zool. Jahrb.,* Suppl. VIII, pp. 71–120, pl. iv.

1907. Tunicaten. (In) Ergebnisse Hamburger magalhaensisch Sammelreise, I, VIII, 5, 84 pp., 3 pls.

1908. *Zool. Jahresb.* 1907, Tunicata, p. 2.

1908. Die Molguliden des naturhistorichen Museums zu Hamburg. *Mitt. nat. Mus. Hamburg,* XXV, pp. 117–152, 3 pls.

1908. Die Pyuriden (Halocynthiiden) des naturhistorichen Museums zu Hamburg. *Mitt. nat. Mus. Hamburg,* XXV, pp. 227–287, 2 pls.

Michaelsen, *W., & R.* **Hartmeyer.**

1907–9. Fauna Südwest-Australiens. *See* HARTMEYER, R. (1907), and LOHMANN, H. (1909).

Millin de Grandmaison, *Aubin Louis.*

1802. Elémens d'Histoire naturelle. Ed. 3. 8°. Paris, an. x. [p. 508.]

Milne-Edwards, *Henri.*

See EDWARDS, H. M.

Minchin, *Edward Alfred.*

1903. The Sporozoa. (In) Lankester's Treatise on Zoology. I, 2, pp. 150–360, 127 figs. [p. 339 (Sporozoan hosts).]

1905. *Arch. Naturg.* LXIV, II. 3, p. 120.

Mingazzini, *Pio.*

1891. Le Gregarine monocistides dei Tunicati e delle Capitellas. *Atti Accad. Lincei,* Rend. (4) VII, pp. 407–414.

1891. Sulla rigenerazione nei Tunicati. *Boll. Soc. Nat. Napoli,* (1) V, 1, pp. 76–79.

Minot, *Charles Sedgwick.*

1897. Contribution à la determination des Ancêtres des Vertébrés. *Arch. Zool. expér.* (3) V, pp. 417–436.

1902. *Arch. Naturg.* LXI, II, 3, p. 156.

Mitsukuri, *K.*

1899. Zoological matters in Japan. *Proc. Internat. Zool. Congr.* IV (Cambridge), pp. 101–111. [pp. 106, 107.]

Mivart, *St. George.*

1873. Lessons in Elementary Anatomy. 8°. London. [pp. 7, 12, f. 4 (*Ascidia*).]

Modeer, *Adolf.*

1792. Inledning til kunskapen om Maskkräken i allmänhet. *Nye Handl. Vet. Akad.* XIII, pp. 243–270. [pp. 264, 265, 268, 269.]

Mœbius, *Karl August.*

1862. Keiler Bucht wirbellosen Thiere. *See* Meyer, A. B., & K. A. Moebius.

1864. Das Aquarium des zoologischen Gartens zu Hamburg. 55 pp. 8°. Hamburg. [pp. 36–37.]

1873. Die wirbellosen Thiere der Ostsee. (In) Ber. Exped. phys.-chem. u. biol. Untersuch. Ostsee, 1871. pp. 97–154. fol. Kiel. [p. 136 (*Molgula nana*).]

1875. Wirbellose Seethiere. (In) Anleitung zu wissenschaftlichen Beobachtungen auf Reisen. (Ed. by) G. Neumayer, pp. 418–432, 9 figs. 8°. Berlin. [p. 421.]

(Ed. 2 in 2 vols. 1888. II, pp. 451-472. [pp. 455-456.])

1880. Eine Reise nach der Insel Mauritius im Jahre 1874–75. (In) Beiträge zur Meeresfauna der Insel Mauritius und der Seychellen, bearbeitet von K. Moebius, F. Richters, und E. von Martens . . . pp. 1–61, 1 chart. 4°. Berlin. [p. 45 (*Cynthia pallida* and *Polycarpa nigricans*).]

1893. Ueber die Thiere der schleswig-holsteinischen Austernbänke, ihre physikalischen und biologischen Lebensverhältnisse. *Sitzber. Akad. Wiss. Berlin,* VIII, pp. 67–92. [pp. 74, 86, 88 (5 sps.).]

1898. Ueber den Umfang und die Einrichtung des zoologischen Museums zu Berlin. *Sitzber. Acad. Wiss. Berlin,* 1898, pp. 363–374. [pp. 364, 368, 373 (400 sps. known).]

1899. Führer durch die zoologische Schausammlung des Museums für Naturkunde in Berlin. 72 pp. 8°. Berlin. (*Fide* Matzdorff.)

Molina, *Giovanni Ignazio.*

1782. Saggio sulla storia naturale del Chili . . . 8°. Bologna. [pp. 196–198 (*Pyura chilensis*).]

1786. Versuch einer Naturgeschichte von Chili. (Transl.) 8°. Leipzig. [pp. 172, 308.]

1789. Essai sur l'Histoire naturelle du Chili. Traduit . . . par M. Gruvel. 8°. Paris. [pp. 169–172.]

1808. The Geographical, Natural, and Civil History of Chili. (Transl.) 2 vols. 8°. London. [I, pp. 161–163.]

1810. Saggio sulla storia naturale del Chili . . . Ed. 2. 4°. Bologna. [pp. 173–174.]

Möller, *Hans Peter Christian.*

1842. Index Molluscorum Groenlandiæ. *Nat. Tidsskrift,* (1) IV, pp. 76–97. [pp. 94–95, 97 (16 sps.).] (And sep.) 24 pp. 8°. Hafniæ. [pp. 21–22, 24.]

1843. *Arch. Natury.* IX, II, p. 148. [List of sps.]

Monet de Lamarck, *Jean Baptiste Pierre Antoine de.*

See LAMARCK, J. B. P. A. de Monet de.

Montagu, *George.*

1803. Testacea Britannica, or Natural History of British Shells, . . . 2 vols. & Suppl. 4°. London, 1803–8. [II, p. 542 (*Ascidia mentula*).]

1846. Testacea Britannica, ou Histoire naturelle des Coquilles . . . d'Angleterre. (Transl. by) J. C. Chenu. (In Chenu's) *Bibl. Conchyl.* (1) IV. (p. 235.]

Montfort, *Pierre Denys de.*

1804. Histoire naturelle des Mollusques. *See* ROISSY, F. de.

Montgomery, *Thomas H.*

1895. On the successive, protandric, and proterogynic Hermaphroditism in Animals. *Amer. Naturalist,* XXIX, pp. 528–536. [p. 530 (*Salpa*).]

Moore, *Benjamin.*

1909. Inaugural Address on reactions of Marine Organisms in relation to Light and Phosphorescence. *Trans. Liverp. Biol. Soc.* XXIII, pp. 1–34. [p. 31 (*Oikopleura*).]

Moore, *W. U.,* & *P. W.* **Bassett-Smith.**

1888. China Sea. *See* BASSETT-SMITH, P. W. (In Add.)

Moquin-Tandon, *Christian Horace Bénédict Alfred.*

1866. Le Monde de la Mer, par Alfred Frédol [pseudonym]. Ed. 2. 8°. Paris. [pp. 247–256, 4 figs.]

1869. The World of the Sea. Transl. by H. Martin Hart. [pp. 178–183, 4 figs.]

Moquin-Tandon, *J.*

1884. Traité de Zoologie. *See* CLAUS, C. F. W.

Mörch, *Otto Andreas Lowson.*

1865. On the limits of the Subkingdom Mollusca. *Ann. Nat. Hist.* (3) XVI, pp. 411–414. [pp. 411, 414.]

1866. Note on the genus *Chevreulius* of Lacaze-Duthiers, . . . *Ann. Nat. Hist.* (3) XVII, p. 313.

Moreau, *Camille.*

1875. Recherches sur la structure de la corde dorsale de l'*Amphioxus*. *Bull. Acad. Sci. Belg.* (2) XXXIX, pp. 312–331, 1 pl. [pp. 319–320.] Rapport de É. van Beneden, pp. 251–257. [p. 253.]

1875. *Jrn. Zoologie*, IV, pp. 239–240.

Morey, *Frank.*

1909. Tunicata. (In) A Guide to the Natural History of the Isle of Wight . . . Ed. by F. Morey. 8°. Newport, I.W., & London. [pp. 474–475.]

Morgan, *Thomas Hunt.*

1889. The origin of the Test-cells of Ascidians. Preliminary Note. *Johns Hopk. Univ. Circ.* VIII, p. 63.

1889. Origin of Test-cells of Ascidians. *Jrn. R. Micr. Soc.* 1889, p. 740.

1890. *Zool. Jahresb.* 1889, Tunicata, p. 3.

1890. The Origin of the Test-cells of Ascidians. *Journ. Morphol.* IV, 2, pp. 195–204, pl. viii.

1891. Origin of Test-cells of Ascidians. *Jrn. R. Micr. Soc.* 1891, p. 29.

1893. *Zool. Jahresb.* 1891, Tunicata, p. 4.

1894. *Arch. Naturg.* LVII, II, 3, pp. 6–7.

1896. The production of artificial Astrosphæres. *Arch. Entwick. Org.* III, 3, pp. 339–361, pl. xix. [pp. 349–350, 360, pl. xix, ff. 24–26 (*Phallusia mamillata*).]

1897. *Biol. Centralbl.* IV, pp. 370–371.

1899. The action of Salt-solutions on the unfertilized and fertilized Eggs of *Arbacia*, and of other Animals. *Arch. Entwick. Org.* VIII, pp. 448–539, pls. vii–x, 21 text-figs. [pp. 499–500, pl. ix, f. 48 (*Molgula manhattensis*).]

1905. *Arch. Naturg.* LXIII, II, 3, p. 171.

1901. Regeneration. Columbia Univ. Biol. Ser. VII. 8°. New York & London. [pp. 236–237 *et passim* (*Ciona intestinalis*).]

1904. Self-fertilization induced by artificial means. *Jrn. exper. Zool.* XVII, pp. 135–178. [*Ciona.*]

1905. *Zool. Jahresb.* 1904, Tunicata, p. 10.

1905. Some further experiments on Self-fertilization in *Ciona*. *Biol. Bull. Woods Holl*, VIII, pp. 313–330.

1905. *Zool. Zentralbl.* XII, p. 588.

1910. The effects of altering the position of the cleavage planes in Eggs with precocious specification. (Mit) Zusammenfassung, (von) W. Gebhardt. *Arch. Entwick. Org.* XXIX, 2, pp. 205–224, pls. vi, vii. [pp. 207–212, 220–222, 223, pls. vi, vii (*Ciona intestinalis*).]

MORGAN, *T. H.*

1910. Cross- and self-Fertilization in *Ciona intestinalis*. *Arch. Entwick. Org.* XXX, 2, pp. 206–235.

Morgan, *T. H., & Annah Putnam* **Hazen.**

1900. The gastrulation of *Amphioxus*. *Jrn. Morphol.* XVI, pp. 569–600, pls. xxxiii, xxxiv, text-ff. 1–29. [pp. 594–596 (*Ciona intestinalis*).]

Morse, *Edward Sylvester.*

1865. A Classification of the Mollusca based on the principles of cephalization. *Proc. Essex Inst.* IV, 6, pp. 162–180, pl. iv. [pp. 165, 167, 168, 172, 173, 176, 179, 180, pl. iv, f. T.]

1871. On the Relations of the Brachiopoda. *Proc. Boston Soc. Nat. Hist.* XIV, pp. 135–137. [pp. 136–137.]

1871. Notes on the early stages of an Ascidian (*Cynthia pyriformis*, Rathke). *Proc. Boston Soc. Nat. Hist.* XIV, pp. 351–355, pl. i. (Remarks by Prof. Agassiz, pp. 355–356.)

Mortensen, *Theodor.*

1897. Smaa faunistiske og biologiske Meddelelser. *Vid. Medd. For. Kjöbenh.* 1897, pp. 311–331. [pp. 313, 318, 339 (5 sps.).]

Moseley, *Henry Nottidge.*

1877. On two new forms of deep-sea Ascidians, obtained during the voyage of H.M.S. "Challenger." *Trans. Linn. Soc. Lond.* (2) Zool. (1879) I, 5, pp. 287–294, pl. xliv. [*Octacnemus* and *Hypobythius*.]

1879. *Arch. Naturg.* XLV, II, p. 380.

1879. Notes by a Naturalist on the "Challenger," . . . 1872–1876. 8°. London. [pp. 572, 574–575 (*Pyrosoma*), 582 (*Salpa*), 587–589, fig. (*Octacnemus*).]

1892. Notes by a Naturalist. Ed. 2. 8°. London. [pp. 496, 498–499, 505, 509–511, 1 fig.]

Moss, *Edward Lawton.*

1869. [On *Appendicularia*.] *Qrt. Jrn. Micr. Sci.* (N. S.) X, p. 323. (And) 1870. *Proc. Dublin Micr. Club*, I (1873), 3, pp. 292–293.

1870. On the Anatomy of the genus *Appendicularia*, with the description of a new form. *Trans. Linn. Soc. Lond.* XXVII (1871), 2, pp. 299–304, pl. xlvii.

1871. Notes on the Genus *Doliolum*. *Qrt. Jrn. Micr. Sci.* (N. S.) XI, pp. 403–405, pl. xviii. (And) 1872. *Proc. Dublin Micr. Club*, II (1875), 1, pp. 114–115, pl. v.

Moszkowski, *Max.*

1903. Hans Driesch's organische Regulationen. Eine kritische Studiæ. *Biol. Centralbl.* XXIII, pp. 427–448. [p. 443 (*Clavelina lepadiformis*).]

Mueller, *Heinrich.*

1852. Ueber die anatomische Verschiedenheiten der zwei Formen (Generationen) bei den Salpen. *Verh. Ges. Würzburg*, III, 1, pp. 57–64.

1853. Salpen. (In) Bericht über einige im Herbste 1852 in Messina angestellte vergleichend-anatomische Untersuchungen. *Zeitschr. wiss. Zool.* IV, 2, pp. 299–370. [pp. 329–331.]

1853. Tunicaten. *Zeitschr. wiss. Zool.* IV, pp. 329–332.

Mueller, *Philipp Ludwig Statius.*

1775. Des Ritters Carl von Linné . . . vollständiges Natursystem, . . . 6 vols. (in 8). 8°; Atlas, 4°. Nürnberg, 1773–76. [VI, 1, pp. 83–86, pl. ii; 2, pp. 782–787; VII, pp. 781–787.]

Mueller, *Wilhelm.*

1873. Ueber die Hypobranchialrinne der Tunikaten und deren Verhandensein bei *Amphioxus* und den Cyklostomen. *Jena. Zeitschr. Naturw.* VII, pp. 327–332. [*passim.*]

Müller, *Otto Frederik.*

1776. Zoologiæ Danicæ prodromus, seu Animalium Daniæ et Norvegiæ indigenarum characteres, nomina, et synonyma imprimis popularium. 8°. Havniæ. [pp. 224–226.]

1777–80. Zoologiæ Danicæ seu Animalium Daniæ et Norvegiæ rariorum ac minus notorum Icones. 2 fasc. (80 plates.) fol. Havniæ. [I (1777), pls. viii, xv, xxv, xxxiv (5 sps.): II (1780), pls. xlix, lv, lxv, lxxix (9 sps.).]

(References to the Nos. in the Prodromus to which, and to the 1779-84 edition of the text, these plates may be considered the Atlas.)

1779–84. Zoologia Danica, seu Animalium Daniæ et Norvegiæ rariorum ac minus notorum descriptiones et historia, . . . 2 vols. 8°. Havniæ & Lipsiæ. [I (1779), pp. 14, 30, 52, 83, 84 (5 sps.); II (1784), pp. 25, 27, 43, 71–73, 117–119 (9 sps.).]

1781. Zoologia Danica eller Denmarks og Norges sieldne og ubekiendte dyro historie. Vol. I (40 plates). fol. Kiöbenhavn. [pp. 27, 57, 97, 141, 142; pls. viii, xv, xxv, xxxiv (5 sps.).]

(In this volume, apparently all of the Danish edition published, the Danish names of the species are given, and full lists of synonyms. A Latin edition of it was published in the same year, and a German edition in 1782.)

MÜLLER, *O. F.*

1788–1806. Zoologia Danica, . . . [Ed. 3.] 4 vols. fol. Havniæ. [I (1788), pp. 6, 14, 25, 42, pls. viii, xv, xxv, xxxiv (5 sps.) II (1788), pp. 11–12, 19, 32–33, 53–54, pls. xlix, lv, lxv, lxxix (9 sps.). (III (1789) no Tunicata.) IV (1806), pp. 10–12, 26, 41, pls. cxxx, cxlii, cxliii, clvi (7 sps.).]

(In Vol. IV the Tunicata are by H. Rathke.)

Murchison, *Roderick Impey.*

1839. The Silurian System, . . . 4°. London. [pp. 697–698, pl. xxvi, f. 11 (*Ischadites Königii*, ? a Tunicate).]

Murdoch, *John.*

1885. Natural History. Report of the International Polar Expedition to Point Barrow, Alaska, by P. H. Ray. Part IV. 4°. Washington. [pp. 166–167, 170.]

Murray, *Andrew.*

1859. On the structure and functions of the Branchial Sac of the Simple Ascidiæ. *Proc. Roy. Soc. Edinb.* IV (1862), pp. 148–150.

1860. Notice regarding the Branchial Sac of the Simple Ascidiæ. *Proc. Roy. Soc. Edinb.* IV (1862), pp. 271–272.

Murray, *J. A.*

1895. Metazoan Reproduction. *See* BEARD, J., & J. A. MURRAY.

Murray, *John.*

1830. Researches in Natural History. Ed. 2. 12°. London. [pp. 66–69, 74–75 (Phosphorescence).]

Murray, *Sir John.*

1895. A Summary of the Scientific Results obtained at the Sounding, Dredging, and Trawling Stations of H.M.S. 'Challenger.' (In) Rep. Scient. Res. Voy. Challenger; Summary, 2 parts (vols.). 4°. London. [*See* Index, 2, p. 1606.]

1896. The general conditions of existence and distribution of Marine Organisms. *Compt. rend. Congr. internat. Zool.* III (Leyde), pp. 99–111. [p. 106.]

1897. On the deep- and shallow-water Marine Fauna of the Kerguelen Region of the Great Southern Ocean. *Trans. Roy. Soc. Edinb.* XXXVIII, pp. 343–500, 1 pl. (map). [pp. 430–431, 439, 454, 457, 478–481.]

1899. *Arch. Naturg.* LX, II, 3, p. 61.

MARINE BIOLOGICAL LABORATORY WOODS HOLE LIBRARY

MURRAY, *Sir J.*

1898. The scientific advantages of an Antarctic Expedition. *Proc. Roy. Soc. Lond.* LXII, pp. 424–434. [p. 433.] (And) *Scott. Geogr. Mag.* XIV, pp. 511–520. [p. 519.]

1900. On the deposits of the Black Sea. *Scott. Geogr. Mag.* XVI, pp. 673–702. [pp. 685, 694, 695 (*Cynthia*).]

1906. Lagoon Deposits. II. Report on certain Deposits. (In) The Fauna and Geography of the Maldive and Laccadive Archipelagoes. Ed. by J. S. Gardiner. II, 1, pp. 584–588, pl. xxxiv (chart). 4°. Cambridge. [*passim.*]

N.

Nagel, *Wilibald A.*

1894. Ergebnisse vergleichend-physiologischer und anatomischer Untersuchungen über den Geruchs- und Geschmackssinn und ihre Organe. *Biol. Centralbl.* XIV, pp. 543–555. [p. 553 (*Ciona intestinalis*).]

1894. Ein Beitrag zur Kenntnis des Lichtsinnes augenloser Tiere. *Biol. Centralbl.* XIV, pp. 810–813. [p. 811 (*Ciona intestinalis*).]

1894. Vergleichend physiologische und anatomische Untersuchungen über den Geruchs- und Geschmackssinn und ihre Organe, mit einleitenden Betrachtungen aus der allgemeinen vergleichenden Sinnesphysiologie. *Bibl. Zoologica,* VII, 18, 207 pp., 7 pls. [pp. 173–174 (*Ciona intestinalis*).]

1896. Der Lichtsinn augenloser Tiere. Eine biologische Studie. 8°. Jena. [p. 33 (*Ciona*).]

Nansen, *Fridtjof.*

1886. Forelöbig Meddelelse om Undersögelser over Centralnervesystemets histologiske Bygning hos Ascidierne samt hos *Myxine glutinosa. Bergens Mus. Aarsber.* 1885, pp. 55–78. [pp. 56, 58–66.]

1886. Preliminary communications on some investigations upon the histological structure of the Central Nervous System in the Ascidia (*sic*) and in *Myxine glutinosa.* (Transl.) *Ann. Nat. Hist.* (5) XVIII, pp. 209–226. [pp. 211–217.]

1887. *Arch. Naturg.* LI, II, 3, pp. 150–151.

1888. *Zool. Jahresb.* 1886, Tunicata, p. 5.

1887. The Structure and Combination of the Histological Elements of the Central Nervous System. *Bergens Mus. Aarsber.* 1886, pp. 27–215, 11 pls. [pp. 96–97, 119–120, 141–144, 198, 203–204, 208–209; pl. ii, ff. 21, 22; pl. vi, ff. 55–58; pl. ix, ff. 87–89.]

Nasonov, *Nikolia Viktorovich.*

1887. [On the Anatomy of the Ascidians *Molgula* and *Circinalium.*] (In Russian.) *Izv. Obshch. Moskow Univ.* XXIII, 2, pp. 37–43, pls. ix–xii.

Nemnich, *Philipp Andreas.*

1793. Allgemeines Polyglotten-Lexicon der Naturgeschichte . . . 4 vols. 4°. Hamburg, 1793–98. Catholicon. 2 Abh. [I, cols. 165, 167, 169, 497–499 (*Alcyonium* sps. and *Ascidia*).]

Neresheimer, *Eugen.*

1903. *Lohmannia catenata* nov. gen., nov. spec. *Biol. Centralbl.* XXIII, pp. 757–760, 3 figs. [*Fritillaria.*]

1904. Ueber *Lohmannella catenata. Zeitschr. wiss. Zool.* LXXVI, pp. 137–166, pls. x, xi, 6 text-figs. [*Fritillaria.*]

Neumann, *Guenther.*

1905. Beiträge zum Generationswechsel von *Doliolum.* Inaug. Diss. Leipziger, 78 pp., 9 pls., 14 text-figs. 8°. Jena.

1906. *Zool. Jahresb.* 1905, Tunicata, pp. 9–11.

1906. *Doliolum.* (In) Ergbn. der Deutsch. Tiefsee-Exped. XII, 2, pp. 93–243, pls. xi–xxv, 1 map, 20 text-figs. 4°. Jena.

1907. *Zool. Jahresb.* 1906, Tunicata, pp. 4–5.

1908. Mitteilung über eine neue Pyrosomen-Art der Deutschen Tiefsee-Expedition. *Zool. Anzeig.* XXXIII, pp. 709–711, 3 figs. [*Pyrosoma operculatum.*]

1909. Die Pyrosomen. (In) Bronn's Tier-Reichs, III, Suppl. 2, 2 Abth., pp. 1–48, pls. i–iii, text-ff. 1–11.

1909. Mitteilung über eine neue Pyrosomen-Art der Deutschen Tiefsee-Expedition. *Zool. Anzeig.* XXXIII, pp. 792–794, 1 fig. (*Pyrosoma triangulum.*)

1909. Mitteilung über eine neue Pyrosomen- und *Doliolum*-Art der Deutschen Südpolar-Expedition. *Zool. Anzeig.* XXXIII, pp. 794–797, 4 figs.

1909. Mittheilung über eine neue Pyrosomenart der Deutschen Tiefsee-Expedition, nebst Bemerkungen über die Stockbildung und das Wandern der Knospen bei *Pyrosoma. Zool. Anzeig.* XXXIV, pp. 654–671, 7 figs.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 5.

1910. Die Pyrosomen. (In) Bronn's Tier-Reichs, III, Suppl. 2, 2 Abth., pp. 49–80, pls. iv, v, text-ff. 12–16.

Neumayer, *Georg Balthasar von.*

1875–91. Anleitung zu Beobachtungen auf Reisen. (1875, 1888) *See* Moebius, K. A. (1891) *See* Plate, L.

Neumayr, *Melchior.*

1889. Die Stämme des Thierreiches. Wirbellose Thiere. I (all publ.). 8°. Wien & Prag. [p. 15.]

Newbigin, *Marion I.*

1898. Colour in Nature: a Study in Biology. 8°. London. [pp. 18–20, 42, 207–208.]

1907. Life by the Seashore: an Introduction to Natural History. 8°. London. [pp. 290–296, 334, ff. 83, 84.]

Newstead, *A. H. L.*

1893. On the perivisceral cavity of *Ciona*. *Qrt. Jrn. Micr. Sci.* (N. S.) XXXV, pp. 119–128, pl. viii.

1894. *Zool. Centralbl.* I, pp. 77–78.

1894. *Zool. Jahresb.* 1893, Tunicata, p. 11.

Nicholson, *Henry Alleyne.*

1870. Advanced Text-book of Zoology . . . 8°. Edinburgh & London. [pp. 164, 166, 171–173, f. 80 (2 figs.).]

1870. A Manual of Zoology . . . Vol. I.—Invertebrate Animals. 8°. London. [pp. 232, 240–244, 249, f. 74 (2 figs.).]

1879. A Manual of Palæontology . . . Ed. 2. 2 vols. 8°. London. [I, pp. 126–128, ff. 28, 29 (*Receptaculites*, ? a Tunicate; *cf.* p. 297).]

1882. Synopsis of the Classification of the Animal Kingdom. 8°. Edinburgh & London. [pp. 75–76, f. 71 (3 figs.).]

1887. A Manual of Zoology. . . . Ed. 7. 8°. Edinburgh & London. [pp. 424, 503–512, ff. 301–304 (12 figs.).]

1894. Text-book of Zoology. . . . Ed. 5. 8°. Edinburgh & London. [pp. 303–308, 326, ff. 198–200.]

Nicolai, *G. F.*

1908. Beiträge zur Anatomie und Physiologie des Salpenherzens. *Arch. Anat. Physiol.*, Suppl. pp. 87–118, pls. x, xi, 10 text-figs.

1909. *Zool. Jahresb.* 1908, Tunicata, p. 8.

Niebuhr, *Carsten.*

1776. Icones rerum naturalium. *See* Forskål, P.

Nitsche, *Heinrich.*

1886–90 (?). Zoologische Wandtafeln. *See* Leuckhart, R., & H. Nitsche.

Nobre, *Augusto.*

1904. Subsidios para o estudo da fauna marinha do sul de Portugal. *Ann. Sci. nat. Porto*, VIII, pp. 153–160. [p. 160 (*Pyrosoma elegans*).]

Nodder, *Frederick Polydore.*

1793–1807. Naturalists' Miscellany. *See* Shaw, G., & F. P. Nodder.

Nordenskiöld, *Nils Adolf Erik von.*

1886. Vega-Expedition. *See* Swederus, M. B.

Nordgaard, *Ole.*

1898. Nogle oplysninger om Puddefjorden. *Bergens Mus. Aarbog,* 1897, 15, 19 pp. 1 pl. [pp. 14–17 (*Appendicularia*).]

1899. Contribution to the study of Hydrography and Biology on the Coast of Norway. (In) Rep. Norweg. Marine Invest. 1895–97, 2, 31 pp., 1 pl., 5 tables, 4 text-figs. fol. Bergen. [p. 16 (*Ciona*; tables 1, 2, 4a (*Appendicularia*).]

1899. Undersögelser i fjorden ved Bergen 1897–98. *Bergens Mus. Aarbog,* 1898, 10, 20 pp., 1 pl., 1 table. [p. 19 (*Oikopleura* and *Fritillaria*).]

1902. Contributions to the Hydrography of the North Ocean. *Bergens Mus. Aarbog,* 1901, 2, 33 pp., 3 charts. [pp. 31, 32 (*Fritillaria* and *Oikopleura*).]

1905. Investigations in Norwegian Fjords. *See* Huitfeldt-Kaas, H., R. Hartmeyer, & J. Kiær.

1907. Mofjordens Naturforhold. *Norske Vid.-selsk. Skrift.* 1906, 9, 40 pp., 1 pl., 1 text-fig. [p. 34 (4 sps.).]

Norman, *Alfred Merle.*

1857. The Mollusca of the Firth of Clyde. *Zoologist,* XV, pp. 5703–5713. [pp. 5706–5708 (16 sps.).]

1860. The Mollusca of the Firth of Clyde. *Zoologist,* XVIII, pp. 7238–7245. [pp. 7245, 7247 (13 sps.).]

1866. On the organization and alternate generation of *Salpa spinosa,* Otto, as observed in the Channel Islands. *Trans. Northumb. Durh.* 1, pp. 245–246.

1868. Preliminary Report on the Crustacea, Molluscoidea, Echinodermata, and Cœlenterata procured by the Shetland Dredging Committee in 1867. *Rep. Brit. Assoc.* 1867, pp. 437–441. [p. 439 (3 sps.).]

1869. Shetland final Dredging Report.—Part II. On the Crustacea, Tunicata, Polyzoa, Echinodermata, Actinozoa, Hydrozoa, and Porifera. *Rep. Brit. Assoc.* 1868, pp. 247–336; 341–342 (Addenda). [pp. 250, 254, 302–303 (30 sps.).]

1876. Crustacea, Tunicata, . . . (In) Dr. J. Gwyn Jeffreys' Preliminary Report of the Biological Results of a Cruise in H.M.S. 'Valorous' to Davis Strait in 1875. *Proc. Roy. Soc. Lond.* XXV, pp. 202–215. [pp. 204–205.]

Norman, *A. M.*

1894–95. The Trondhjem Fiord. *See* Herdman, W. A.

1897. Museum Normanianum, or a Catalogue of the Invertebrata of Europe and the Arctic and North Atlantic Oceans . . . in the collection of the Rev. Canon Norman. IX–XII, Tunicata, etc. 8°. Durham. [pp. 5–7.]

1905. Marine Zoology. (In) Victoria History of the County of Durham. I, pp. 83–86. 8°. London. [p. 86 (25 sps.).]

1905–7. British Tunicata. *See* Alder, J., & A. Hancock.

Norwell, *J. Stewart.*

1889. Illustrations of Zoology. *See* Smith, W. R., & J. S. Norwell.

Nott, *J. T.*

1892. On the Composite Ascidians of the North Shore Reef. *Trans. N. Zealand Inst.* XXIV, pp. 305–334, pls. xxiv–xxx.

1893. *Zool. Record*, XXIX, Tunicata, p. 3.

Nuhn, *Anton.*

1875–8. Lehrbuch der vergleichenden Anatomie. 8°. Heidelberg, 1878. [pp. 82, 83, f. 112; pp. 571, 586, ff. 559, 580 (*idem*).]

(*Ibid.* ed. 2, 1886.)

Nuttall, *George Henry Falkiner.*

1904. Blood Immunity and Blood Relationship . . . 8°. Cambridge. [p. 357 (*Ascidia*).]

O.

Oellacher, *Josef.*

1872. Die Veränderungen des unbefruchteten Keimes des Hühnereies im Eileiter und bei Bebrütungsversuchen. *Zeitschr. wiss. Zool.* XXII, 2, pp. 181–234, pls. xiii–xv. [pp. 228–229, 230 (*Ascidia canina*).]

Oerley, *Ladislaus.*

1884. Die Kiemen der Serpulaceen und ihre morphologisch Bedeutung. *Mitth. zool. Stat. Neapel,* V, 2, pp. 197–228, pls. xii, xiii. [p. 214.]

1892. Periodic regeneration of upper half of body in Diplosomidæ. *Jrn. R. Micr. Soc.* 1892, p. 467.

Oersted, *Anders Sandöe.*

1844. De Regionibus Marinis. Elementa topographiæ historiconaturalis freti Oeresund. 8°. Hauniæ. [pp. 70, 74 (2 sps.).]

Ogilvie, *George.*

1861. The genetic cycle in Organic Nature; or, the succession of forms in the propagation of Plants and Animals. 8°. Aberdeen. [pp. 72–73, 89–91, 109, 136, 140–142, 240, 254, 256, 268, pl. vi, ff. 5, 6.]

Ogle, *W.*

1882. Parts of Animals. *See* ARISTOTLE.

Ohlin, *Axel Gabriel.*

1875. Zoological observations during Peary Auxiliary Expedition 1894. Preliminary Report. *Biol. Centralbl.* XV, pp. 161–174, 2 figs. [pp. 172, 173, 174.]

Oka, *Asajirō.*

1892. A curious compound Ascidian. *Zool. Mag. Tokyo,* IV, pp. 144–146. (And) *Amer. Naturalist,* XXIV, pp. 619–620. [*Diplosoma.*]

1892. Die periodische Regeneration der oberen Körperhälfte bei den Diplosomiden. *Biol. Centralbl.* XII, pp. 265–268, 1 fig. (*Diplosoma Mitsukurii*).

1892. Ueber die Knospung der Botryllіden. *Zeitschr. wiss. Zool.* LIV, pp. 521–547, pls. xx–xxii.

1893. Budding of *Botryllus. Jrn. R. Micr. Soc.* 1893. pp. 31–32.
1893. *Zool. Jahresb.* 1892. Tunicata, pp. 4–5.

1906. *Aphaaibranchion,* eine neue Synascidiengattung aus Japan. *Annot. zool. Japon,* V, 5, pp. 253–265, pl. xiii.

1906. New genus of Synascidian. *Jrn. R. Micr. Soc.* 1906, p. 443.
1906. *Zool. Zentralbl.* XIII, pp. 569–570.

1906. Notizen über japanische Ascidien. I. *Annot. zool. Japon,* VI, 6, pp. 37–52 (12 sps.).

1907. Japanese Ascidians. *Jrn. R. Micr. Soc.* 1907, p. 159.
1909. *Arch. Naturg.* LXXIII. II. 3. Tunicata. p. 12. [List of sps.]

Oka, *A., & Arthur* **Willey.**

1892. On a new genus of Synascidians from Japan. *Qrt. Jrn. Micr. Sci.* (N.S.) XXXIII, pp. 313–324, pls. xvii, xviii. [*Sarcodidemnoides.*]

1897. *Arch. Naturg.* LIX, II. 3. p. 31.

Oken, *Lorenz.*

1815. Okens Lehrbuch der Naturgeschichte. 3 Theil (in 6 vols.). 8°. Leipzig & Jena, 1813–26. [III (Zoologie), I, pp. 81–83, 212–216.]

1835. Allgemeine Naturgeschichte für alle Stände. 7 vols. (in 13). 8°. Stuttgart, 1833–41. [V (Thierreich II, I), pp. 83, 92–98, 496–501.]

Oken, *L.*

1843. Lehrbuch der Naturphilosophie. Ed. 3. 8°. Zurich. [pp. 420, 421, 457–458, 485.]

(Ed. 1, 1809-11, Jena; ed. 2, 1831, Jena.)

1847. Elements of Physiophilosophy. Transl. by Alfred Tulk. (*Ray Society.*) 8°. London. [pp. 527–528, 580, 581, 614.]

Olafsen, *Eggert.*

1772. E. Olafsens og B. Povelsens Reise igiennem Island, . . . 2 vols. 4°. Soröe. [II, pp. 1001–1002 (*Tethys,* Cb).]

(The pagination is continuous.)

1775. E. Olaffens und B. Povelsens Reise durch Island, . . . (Transl.) 2 vols. 4°. Kopenhagen & Leipzig, 1774–75. [II, p. 211 (*Tethys,* Cb).]

Olivi, *Giuseppe.*

1792. Zoologia Adriatica, ossia Catalogo ragionato degli Animali del Golfo e delle Lagune di Venezia; . . . 4°. Bassano. [pp. 235–249, (?) 255–257.]

1793. Transunto del saggio sopra la natura ed economia Animali dei vermi cellulani, o Piant-animali ed altre sue Osservazioni analoghe. *Opusc. Scelti Scienze,* XVI, pp. 240–255. [pp. 247–254, pl. i.]

Orbigny, *Aleide Charles Victor Dessalines d'.*

1844–49. Dictionaire universel h'Histoire naturelle. 16 vols. 8°. Paris. [See Index, especially Ascidie, Botrylle, and Tuniciers.]

(Re-issued in 1861, and new ed. in 1887 ?)

Ortmann, *Arnold Edward.*

1896. Grundzüge der marinen Thiergeographie. 8°. Jena. [p. 93 (*Appendicularia*).]

1899. On new facts lately presented in opposition to the hypothesis of Bipolarity of Marine Faunas. *Amer. Naturalist.* XXXIII, pp. 583–591. [p. 585 (*Fritillaria borealis*).]

Orton, *James.*

1876. Comparative Zoology, structural and systematic. 8°. New York. [pp. 256–257, f. 212.]

Ostenfeld, *C. H., & C.* **Wesenberg-Lund.**

1909. Catalogue des espèces de plantes et d'animaux observées dans le Plankton recuilli pendant les expéditions périodiques depuis le mois d'août 1805 jusu' au mois de mai 1908. *Cons. perman. internat. Explor. Mer,* publ. circonst. 48, 151 pp. [pp. 141–143.]

Ostroumoff, *A. A.*

1896. Comptes-rendus des dragages et du plancton de l'expedition de "Selianik." *Bull. Acad. Sci. St. Pétersb.* (5) V, pp. 33–92. [pp. 34, 44; 60–92 *passim.*]

1899. *Arch. Naturg.* LX, II. 3. p. 56.

Otto, *Adolph Wilhelm.*

1823. Beschreibung einiger neuen Mollusken und Zoophyten. *Nova Acta Akad. Leop.-Car.* XI, 2, pp. 273–314, pls. xxxviii–xlii. [pp. 282–284, 303–305, 313–314, pls. xxxviii, xlii (5 sps.).]

1824. Description de quelques nouveaux Mollusques et Zoophytes. *Bull. Sci. nat. géol.* I, pp. 280–281.

Owen, *Sir Richard.*

1830. Catalogue of the contents of the Museum of the Royal College of Surgeons in London. Pt. IV, fasc. 1. 4°. London. [pp. 21–24.]

1833–38. Descriptive and illustrated Catalogue of the physiological series of Comparative Anatomy contained in the Museum of the Royal College of Surgeons in London. 7 vols. 4°. London, 1833–40. [I (1833), pp. 132–136, 194–195; II (1834), p. 74; III (1835), p. 17; IV (1838), p. 11.]

1834. On the anatomy of the Brachiopoda of Cuvier. *Trans. Zool. Soc. Lond.* I, pp. 145–164, pls. xxii, xxiii. [pp. 154, 159–160.]

1842. (Zoological articles in) A Dictionary of Science, Literature, & Art: . . . Ed. by W. T. Brande. 8°. London, 1842. [pp. 94, 162, 1003, 1077, 1225, 1269.]

1843. Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals, . . . 8°. London. [pp. 269–277, 368, ff. 116, 117.]

1852. Descriptive and illustrated Catalogue of the physiological series of Comparative Anatomy contained in the Museum of the Royal College of Surgeons in London. Ed. 2. Vol. I (all publ.). [pp. 135–137, 195–197.]

1855. Lectures on the Comparative Anatomy and Physiology of the Invertebrate Animals, . . . Ed. 2. 8°. London. [pp. 13, 471–484, 500, 501, ff. 178–185.]

1858. Mollusca. (In) Encyclopædia Britannica. Ed. 8. 4°. Edinburgh. [pp. 321–322, 330–336, ff. 5–7.]

1877. (Zoological articles in) A Dictionary of Science, Literature, & Art, . . . Ed. by W. T. Brande and G. W. Cox. New ed. [5th]. 3 vols. 8°. London. [I, pp. 183, 306; III, pp. 151, 336, 753, 878.]

Owen, *Sir R.*

1883. Essays on the conario-hypophysial tract and on the aspects of the body in Vertebrate and Invertebrate Animals. 8°. London. [pp. 3, 15.]

P.

Packard, *Alpheus Spring, Jr.*

1863. A list of Animals dredged near Caribou Island, Southern Labrador, during July and August, 1860. *Canad. Naturalist,* VIII, pp. 401–429, pls. i, ii. [p. 412.]

1867. Observations on the Glacial Phenomena of Labrador and Maine, with a view of the recent Invertebrate Faunæ (*sic*) of Labrador. *Mem. Boston Soc. Nat. Hist.* I, 2, pp. 210–303, pls. vii, viii. [pp. 276–277 (9 sps.).]

1874. Dredgings near Salem. *See* Verrill, A. E.

1876. Life histories of Animals, including Man, or outlines of Comparative Embryology. 8°. New York. [pp. 150–157, ff. 163–166.]

1879. Zoology for students and general readers. 8°. New York. [pp. 197–199, f. 136 (*Boltenia reniformis*).]

1891. The Labrador Coast. . . . 8°. New York & London. [pp. 396–397 (9 sps.).]

1898. A half-century of Evolution, with special reference to the effects of Geological changes on Animal life. *Proc. Amer. Assoc.* XLVII, pp. 311–356. [p. 330.]

Pagenstecher, *H. Alexander.*

1877–81. Allgemeine Zoologie . . . 4 vols. 8°. Berlin, 1875–81. [II (1877), pp. 201–209, ff. 119–121; 420–422, f. 198. III (1878), pp. 156–161, ff. 323-325. IV (1881), pp. 86–91, ff. 489–493; 433–453, ff. 648–653.]

Palethorpe, *Fanny D., & Charlotte* **Wilson.**

1887. Preliminary paper on a collection of Simple Ascidians from Australian Seas. *Proc. Liverp. Biol. Soc.* I, pp. 63–66, pl. viii.

1893. *Arch. Naturg.* LIX, II, 3. p. 10.

Pallas, *Peter Simon.*

1766. P. S. Pallas . . . Elenchus Zoophytorum, . . . 8°. Hagæ-comitum. [pp. 352–357 (sps. 206–209).]

1768. Lijst der Plant-dieren, . . . (transl. by) P. Boddaert. 8°. Utricht. [pp. 440–443, 653, pl. xi, ff. 2, 3.]

Pallas, *P. S.*

1774. Spicelegia Zoologica. 2 vols. 4°. Berolini, 1767–80. [I, 10, pp. 17–18, 24–26, 35–36, 37–41, pls. i, iv.]

(The Tunicata are partly by C. F. von Gaertner.)

1776. Reise durch verschiedene Provinzen des russischen Reiches. 3 vols. 4°; Atlas, fol. St. Petersburg, 1771–76. [III, p. 709 (*Ascidia globularis*).]

(Ed. 2, 3 vols. 8°, with Atlas, Frankfort, 1776-78.)

1778. P. S. Pallas . . . Naturgeschichte Merkwürdiger Thiere, . . . (Transl. of Spic. Zool. by) E. G. Baldingen. 2 vols. 4°. Berlin, 1769–79. [I, pp. 22–24, 31–37, pl. i, ff. 9, 10, 15–17.]

1787. Charakteristik der Thierpflanzen, . . . (Transl. of Elench. Zooph. by) C. F. Wilkins. 2 vols. 4°. Nurnburg. [I, pp. 177–186, 188–192, pl. xviii, ff. 62, 63.]

1788. Marina varia nova et rariorum. *Nova Acta Acad. Sci. Petrop.* II, pp. 246–249, pls. v–vii. [pp. 246–249, pl. vii, ff. 38–40 (*Ascidia aurantium* and *A. globularis*).]

1801. P. S. Pallas . . . Bemerkungen auf einer Reise in die südlichen Statthalterschaften des russischen Reichs in den Jahren 1793 und 1794. 2 vols. 4°. Leipzig, 1799–1801. [II, p. 476 (*Ascidium gelatinosum* and *Alcyonium Schlosseri*).]

1803. Travels through the southern provinces of the Russian Empire in the years 1793 and 1794. (Transl.) 2 vols. 4°. London, 1802–3. [II, p. 465.]

(Second English ed. in 1812.)

1805. Voyages entrepris dans les Gouvernments méridionaux de l'Empire de Russie dans les années 1793 et 1794. (Transl.) 2 vols. 4°. Paris, 1805. Atlas, fol. Paris, 1811. [II, pp. 528–529.]

Panceri, *Paulo.*

1872. Gli organi luminosi e la luce del Pirosome e delle Foladi. *Rend. Accad. Sci. Napoli,* XI, 3, pp. 43–49.

1873. *Arch. Naturg.* XXXIX, II, pp. 218–219.

1873. The lumiuous organs and light of *Pyrosoma. Qrt. Jrn. Micr. Sci.* (N. S.) XIII, pp. 45–51, 1 fig.

Parker, *Thomas Jeffrey, & William A.* **Haswell.**

1897. A Text-book of Zoology. 2 vols. 8°. London. [II, pp. 1–37.]

1905. *Arch. Naturg.* LXIII, II, 3, p. 151.

1899. A Manual of Zoology. 8°. London. [pp. 309, 313–321, ff. 184–189.]

Parker, *W. N.*

1893. The Germ-plasm. *See* WEISMANN, F. L. A.

Parona, *Corrado.*

1886. Protisti parassiti nella *Ciona intestinalis*, L., del porto di Genova. *Atti Soc. Ital.* XXIX, pp. 416–426, pl. xii.

1886–87. Prostistes parasites du *Ciona intestinalis* L. du port de Génes. (Transl.) *Jrn. Microgr.* X (1886), pp. 496–501, pl. v; XI (1887), pp. 25–28.

1887. Parasitic Protozoa in *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1887, pp. 106, 419–420.

1888. *Centralbl. Bakt. Parasit.* I, 1, p. 155.

Parsons, *Frederick Anthony.*

1895. Q. M. C. Excursions, 1894. *Jrn. Quekett Micr. Club*, (2) VI, pp. 63–75. [p. 75 (*Perophera Listeri*).]

Pascoe, *Francis Polkinghorne.*

1877. Zoological Classification: . . . 12°. London. [pp. 127–128.]

(Ed. 2, 1880. [pp. 170–173.].)

1886. Analytical lists of the Classes, Orders, etc., of the Animal Kingdom. 8°. London. [pp, 40, 45.]

Patterson, *Robert.*

1846. Introduction to Zoology. Part I. 12°. London. [pp. 163–165, ff. 154, 155.]

(Reprinted, with Part II added, in 1848.)

Paullini, *Christian Francis.*

1678. De singulare Monstro Marini. *Ephem. Acad. Nat. Cur.* VIII, pp. 79–80. [= *Microcosmus.*]

Pavesi, *Pietro.*

1872. Intorno alla circolazione del sangue nel *Pyrosoma*, studiata specialmento negli embrioni. *Rend. Accad. Sci. Napoli*, XI, 2, pp. 25–33, 1 pl. (*P. giganteum*).

1872. On the circulation of the blood in *Pyrosoma*, especially as observed in the embryo. (Transl.) *Qrt. Jrn. Micr. Sci.* (N. S.) XII, pp. 275–283, pl. xii.

1872. La circulation du sang chez le *Pyrosoma*, étudiée chez les embryons principalement. *Arch. Sci. phys. nat.* XLIV. pp. 92–96.

1873. *Arch. Naturg.* XXXIX, II, p. 219.

Payen, *Anselme.*

1846. Enveloppes des Tuniciers. *See* LOEWIG, C., & R. A. von KOELLIKER.

Peach, *Charles William.*

1848. To preserve *Botrylli* and other soft objects, when wet, in Canada balsam. *Rep. Cornw. Polyt. Soc.* XV, pp. 26–27.

1850. On the Luminosity of the Sea on the Cornish Coast. *Rep. Brit. Assoc.* 1849, Sect. p. 80. [*Botryllus.*]

1872. On the preservation of Compound Ascidians. *Qrt. Jrn. Micr. Sci.* (2) XII, p. 162.

Peacock, *J. B.*

1837. Remarks on some of the Marine Animals met with during a sea voyage. *Mag. Nat. Hist.* (2) I, pp. 596–601. [pp. 600–601 (*Pyrosoma*).]

Pearcey, *F. G.*

1902. Notes on the Marine Deposits of the Firth of Forth and their relation to its Animal Life. *Trans. N. H. Soc. Glasgow,* (N. S.) VI, pp. 217–251, with chart. [*passim* (5 sps.).]

Peck, *James J.*

1896. The sources of Marine Food. *Bull. U. S. Fish Comm.* XV, pp. 351–368, pls. lxiv (chart), lxv–lxxi. [p. 355 (*Leptoclinum*).]

Pedaschenko, *D.*

1897. [Report on the management and operation of the Solowetzky Biological Station for 1896.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXVIII, 1, 2, pp. 57–65. [p. 57 (*Oikopleura*).]

1898. [Report on the work of the Biological Station of Solowetzky for 1897.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXVIII, 1, 6, pp. 224–255. Resumé in German, p. 284. [pp. 247–248 (23 sps.).]

Pelletan, *Jules.*

1876. Le Microscope . . . 8°. Paris. [pp. 672–674.]

Pelseneer, *Paul.*

1882. Études sur la Faune littorale de Belgique. Mollusques & autres Animaux inférieurs recuillis sur la côte Belge en 1882. *Ann. Soc. malac. Belg.* XVII, pp. 31–43. [p. 40 (*Aplydium* (sic) *ficus*).]

1905. L'origine des Animaux d'eau douce. *Bull. Acad. Sci. Belg.,* Cl. sci. 1905, pp. 699–741, 1 chart. [p. 707.]

Pennant, *Thomas.*

1812. British Zoology. [ed. 5.] 4 vols. 8°. London. [IV, pp. 99–100.]

(The *Ascidia rustica* of ed. 3, 1777, is not a Tunicate.)

Pennetier, *Georges.*

1906. Tuniciers, acquisitions. *Act. Mus. Rouen,* X, pp. 26–27.

Pereyaslawzew, *S. M.*

1891. [Additions to the Fauna of the Black Sea.] (In Russian.) *Trav. Soc. Univ. Kharkov,* XXV, pp. 235–274, pls. vii, viii. [pp. 270–272 (11 sps.).]

1899. *Arch. Naturg.* LX, II, 3, p. 55. [List of sps.]

Pérez, *Charles.*

1902–3. Pyrosome gigantesque (1902). La chaîne chez une Salpe (1903). *See* Bonnier, J., & C. Pérez.

1904. Sur un mode noveau d'association des blastozoïtes en chaînes chez une Salpe du golfe Persique. *Pr.-verb. Soc. Sci. Bordeaux,* 1902–1903, p. 35.

Perkins, *George Henry.*

1870. The Molluscan Fauna of Newhaven. Part 2. Acephala and Bryozoa. *Proc. Boston Soc. Nat. Hist.* XIII (1871), pp. 139–163. [p. 160 (3 sps.)]

Péron, *François.*

1804. Mémoire sur le nouveau genre *Pyrosoma. Ann. Mus. Hist. nat.* IV, pp. 437–446, pl. lxxii. (And) *Jrn. Physique,* LIX, pp. 207–213. [*P. atlanticum.*]

1805. Ueber das neue Molluskengeschlecht *Pyrosoma.* (Transl.) *Mag. Naturkunde,* IX, pp. 3–13, 1 pl.

1807. Voyage de découvertes aux Terres Australes; sur . . . le 'Geographe,' le 'Naturaliste,' et . . . le 'Casuarina,' . . . 1800–1804. 2 vols. 4°; Atlas, 2 pts. fol. Paris. [I, pp. 45–46, 485–493; Atlas, I, pl. xxx, ff. 1, 1 *a*, 3, 3 *a*, pl. xxxi, f. 3 (*Pyrosoma* and *Salpa*).]

(Ed. 2, 1824. 4 vols. 8°; Atlas, fol.)

1812. Historical relation of a voyage undertaken for the Discovery of Southern Lands. (Transl. in) A general collection of . . . Voyages and Travels . . . by John Pinkerton. XI, pp. 739–952. 4°. London. [pp. 760, 948–952 (*Pyrosoma atlanticum*).]

Péron, *F., & Charles Alexander* **Lesueur.**

1810. Sur l'habitation des Animaux marins. *Ann. Mus. Hist. nat.* XV, pp. 287–292. [p. 289 (*Salpæ*).]

Perrier, *Jean Octave Edmond.*

1881. Influence de la vie coloniale sur le développement embryogénique des Animaux. *Rev. scient.* (3) I, pp. 33–39. [p. 36.]

Perrier, *J. O. E.*

1881. Les Colonies Animales et la formation des organismes. 8°. Paris. [pp. 358–401; 402–405, 727–739, 755–774, *passim*; ff. 74–80; table opp. p. 757.]

1881. *Biol. Centralbl.* I, pp. 593–598. [pp. 594–595, 597.]
1882. *Zool. Record*, XVIII, Moll. p. 96.
(Ed. 2, 1898.)

1886. Les explorations sous-marines. 8°. Paris. [pp. 225–226, 229, ff. 149, 150, 153.]

1888. Le Transformisme. 8°. Paris. [pp. 202–205, f. 44 (*Pyrosoma*).]

1889. Sur les services que l'embryogenie peut rendre à la classification. *Bull. Soc. zool. France*, XIV, pp. 173–195. [pp. 181, 186.]

1894. La Faune des côtes de Normandie. *Assoc. Française*, XXIII, 1, pp. 381–409, ff. 1–30. [pp. 393–397, ff. 13–17.]

1898. L'origine des Vertébrés. *Compt. rend. Acad. Sci.* CXXVI, pp. 1479–1486. [pp. 1479, 1480, 1481, 1483.]

1898. Note sur la classification des Tuniciers. *Compt. rend. Acad. Sci.* CXXVI, pp. 1758–1762.

1898. Classification of Tunicata. *Jrn. R. Micr. Soc.* 1898, p. 529.
1899. *Zool. Jahresb.* 1898, Tunicata, pp. 2–3.
1901. *Arch. Naturg.* LXI, II, 3, pp. 157–158.

1899. Cours élémentaire de Zoologie. 8°. Paris. [pp. 554, 556, 564–576, ff. 540–548.]

1899. Traité de Zoologie. 5 fasc. 8°. Paris, 1890–1899. V. *Amphioxus*—Tuniciers. [pp. 2170–2357, ff. 1562–1645.]

1902. La fixation héréditaire des attitudes avantageuses. *Verh. internat. zool. Congr.* V (Berlin), pp. 336–338. [p. 336.]

1902. La Tachygénèse. *Verh. internat. zool. Congr.* V (Berlin), pp. 996–1000. [pp. 997–998.]

1905. *Arch. Naturg.* LXIII, II, 3, p. 167.

1905. Discours. *Compt. rend. Congr. internat. Zool.* VI (Berne), pp. 35–40. [p. 38.]

Perrier, *J. O. E., & C.* **Gravier.**

1902. La Tachygénèse ou accélération embryogénique, son importance dans les modifications de phénomènes embryogéniques; son rôle dans la transformation des organismes. *Ann. Sci. nat.* (8) Zool. XVI, pp. 133–374, 119 figs.

Perrier, *J. O. E., & Antoine* **Pizon.**

1898. Note sur la classification des Tuniciers. *Compt. rend. Acad. Sci.* CXXVI, pp. 1758–1762.

PERRIER, *J. O. E., & A.* PIZON.

1898. L'embryon double des Diplosomidées et la tachygénèse. *Compt. rend. Acad. Sci.* CXXVII, pp. 297–301.

1899. *Zool. Jahresb.* 1898, Tunicata, p. 4.

1902. *Arch. Naturg.* LXI, II, 3, p. 151.

Perrier, *Rémy.*

1893. Éléments d'Anatomie comparée. 8°. Paris, 1892–93. [pp. 749–783, ff. 430–444.]

Perty, *Joseph Anton Maximilian.*

1841–45. Allgemeine Naturgeschichte. 4 vols. 8°. Bern, 1838–45. [III (1841), p. 817; IV (1845), pp. 460–461.]

Petch, *T.*

1903. The Marine Fauna of the Humber district and the Holderness coast. *Trans. Hull Field Nat. Club,* III, pp. 27–41. [p. 41 (*Cynthia grossularia*).]

Peter, *Karl.*

1909. Eine Defektbildung bei einer Larve von *Phallusia mamillata*. *Arch. Entwick. Org.* XXVII, pp. 62–70, 3 figs.

1909. Experimentelle Untersuchungen über individuelle Variation in der thierischen Entwicklung. *Arch. Entwick. Org.* XXVII, pp. 153–246, pls. iii, iv, 5 text-figs. [pp. 205–214.]

Petersen, *Carl Georg Johan.*

1891. Fiskenes biologiska Forhold i Holbæk Fjord 1890. *Ber. danske biol. Stat.* 1890–91, pp. 123–183, 1 chart. (In) *Fiskeri-Beretning,* 1890–91. [pp. 172, 175, 176, 181 (3 sps.).]

1893. Der pelagiske Liv i Fænö-Sund. (The pelagic Life in Fænö Sound.) *Rep. Danish Biol. Stat.* III, 1892, pp. 1–11. (In) *Fiskeri-Beretning,* 1892–93. [p. 2 (*Appendicularia*).]

(Danish and English on opposite pages.)

1893. Bundforhold, Plante- og Dyreliv i Farvandene ved Fænö.) (The conditions of the bottom and the vegetable and animal Life at Fæno.) *Rep. Danish Biol. Stat.* III, 1892, pp. 27–30, 1 chart. (In) *Fiskeri-Beretning,* 1892–93. [pp. 29, 30 (*Cioma* and *Cynthia*).]

(Danish and English on opposite pages.)

1893. Udbytte af Kanonbaaden "Hauch"s Togter. *See* TRAUSTEDT, M. P. A.

Petersen, *C. G. J., & J. Chr. L.* **Levinsen.**

1900. Travlingar i Skagerak og det nordligh Kattegat i 1897 og 98. *Ber. danske biol. Stat.* IX, 1899, pp. 11–64, 1 chart. (In) *Fiskeri-Beretning,* 1898–99. [pp. 18, 31 (3 sps.).]

PETERSEN, *C. G. J., & J. C. L.* LEVINSEN.

1900. Trawlings in the Skager Rack and the Northern Cattegat in 1897 and 98. (Transl.) *Rep. Danish Biol. Stat.* IX, 1899, 56 pp. 1 map. [pp. 10, 23 (3 sps.).]

Petterssen, *Sver Otto.*

1901. Variations de l'eau de l'Ocean Atlantique. *See* CLEVE, P. T., G. EKMAN, & S. O. PETTERSSEN. (In Add.)

Pettigrew, *James Bell.*

1874. The Physiology of Circulation in Plants, in the Lower Animals, and in Man. 8°. London. [pp. 83–84.]

Pfeffer, *Georg Johann.*

1889. Zur Fauna von Süd-Georgien. *Mitt. nat. Mus. Hamburg,* VI, v, 19 pp. [pp. 3–4 (6 sps.).]

1890. Die niedere Thierwelt des antarktischen Ufergebietes. (In) Die Deutschen Expeditionen und ihre Ergebnisse, II, pp. 455–572. 8°. Berlin. [pp. 498–499 (6 sps.); 538–539 (57 sps.).]

Pfeiffer, *L.*

1849. Leach's Mollusken system. *Zeitschr. Malakoz.* VI, pp. 53–63. [p. 61.]

Philippi, *Rudolph Amandus.*

1843. *Rhopalæa,* ein neues Genus der einfachen Ascidien. *Arch. Anat. Physiol.* 1843, 1, pp. 45–57, 1 pl.

1853. Handbuch der Conchyliologie und Malacozoologie. 8°. Halle. [pp. 2, 12, 22, 24, 25, 30, 405–420.]

Phipps, *Constantine John.* (*2nd Baron* MULGRAVE.)

1774. A Voyage towards the North Pole undertaken by his Majesty's command, 1773. 4°. London. [pp. 194–195, 199–200 (3 sps.); pl. xiii, f. 3 (*Synoicum turgens*).]

(Eds. in 1775, 1780?, and 1808. French transl.: Voyage au Pôle boreal, 4°. Paris, 1775. German transl.: Reise nach dem Nordpol, 4°. Bern, 1777.)

Phipson, *Thomas Lambe.*

1862. Phosphorescence, or, the emission of light from Minerals, Plants, and Animals. 8°. London. [pp. 111, 113–114, 119, 120, ff. 12, 13 (*Pyrosoma* and *Salpa*).]

(Re-printed 1870.)

Pictet, *Camille.*

1891. Recherches sur la spermatogénèse chez quelques Invertébrés de la Méditerranée. *Mitth. zool. Stat. Neapel,* X, 1, pp. 75–152, pls. viii–x. [pp. 78, 136–141, pl. x, ff 147–160 (*Salpa virgula*).]

1893. *Zool. Jahresb.* 1891, Tunicata, p. 11.

Pizon, *Antoine.*

1890. Les Colonies de Botrylles. *Naturaliste,* (2) XII, pp. 119–121, 134–135, ff. 1, 2 (*Botryllus violaceus*).

1890. Sur la présence d'un canal neurentérique chez les bourgeons de *Botryllus violaceus. Compt. rend. Soc. Biol.* (9) II, pp. 353–355.

1891. Sur la blastogénèse chez les Botryllidés. *Bull. Soc. philom. Paris,* (8) III, 2, pp. 62–65.

1891. Sur la formation des colonies chez les Botryllidés. *Bull. Soc. philom. Paris,* (8) III, 3, pp. 73–76.

1891. Sur le développement du système nerveux et du pavillon vibratile chez les Botrylles et les Botrylloides. *Bull. Soc. philom. Paris,* (8) III, 3, pp. 98–102.

1891. Développement du système vasculaire colonial chez les Botryllidés. *Bull. Soc. philom. Paris,* (8) III, 4, pp. 183–186.

1891. Sur la blastogénèse chez les larves d'*Astellium spongiforme. Compt. rend. Acad. Sci.* CXII, pp. 166–168.

1891. Blastogenesis of *Astellium spongiforme. Jrn. R. Micr. Soc.* 1891, p. 332.

1891. Observations sur le bourgeonnement de quelques Ascidies composées. *Compt. rend. Acad. Sci.* CXII, pp. 399–402.

1893. *Zool. Jahresb.* 1891, Tunicata, pp. 6–8. [Above six memoirs.]

1891. Sur un cas de Parasitisme chez une Ascidie composée. *Naturaliste,* (2) XIII, pp. 45–46. [*Botryllus violaceus.*]

1892. Développement de l'organe vibratile chez les Ascidies composées. *Compt. rend. Acad. Sci.* CXIV, pp. 237–239.

1892. Development of vibratile organ of Compound Ascidians. *Jrn. R. Micr. Soc.* 1892, p. 354.

1893. *Zool. Jahresb.* 1892, Tunicata, p. 5.

1897. *Arch. Naturg.* LIX, II, 3, p. 15.

1892. Les Diplosomidés. *Naturaliste,* XIV, pp. 203–204, 2 figs.; p. 221, 2 figs.

1892. Sur la fécondation chez les Botryllidés. *Bull. Soc. Ouest France,* II, 1, pp. xxx–xxxi.

1899. *Arch. Naturg.* LX, II, 3, p. 25.

1892. Sur le développement des bourgeons de deux espèces des Ascidies composées. *Bull. Soc. Ouest France,* II, 1, pp. xxxiii–xxxiv. [*Amaroucium proliferum* and *Circinalium concrescens.*]

1899. *Arch. Naturg.* LX, II, 3, p. 27.

1892. [Two localities for *Distaplia rosea.*] *Bull. Soc. Ouest France,* II, pp. xxxix–xl.

Pizon, *A.*

1893. Histoire de la Blastogénèse chez les Botryllidés. *Ann. Sci. nat.* (7) Zool. XIV, pp. 1–386, pls. i–ix, 4 text-figs.

1894. Blastogenesis in Botryllidæ. *Jrn. R. Micr. Soc.* 1894, pp. 315–316.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 5–6, 18–23.

1897. *Arch. Naturg.* LIX, II, 3, pp. 15–18.

1893. Note sur la présence d'une Ascidie composée (*Distaplia rosea*) sur les côtes de la Loire-Inférieure. *Bull. Soc. Ouest France,* III, 1, pp. 55–58.

1894. Évolution des éléments sexuels chez les Ascidies composées. *Compt. rend. Acad. Sci.* CXIX, pp. 569–572.

1895. Evolution of sexual elements in Compound Ascidians. *Jrn. R. Micr. Soc.* 1895, p. 42.

1895. *Zool. Jahresb.* 1894, Tunicata, pp. 9–10.

1899. *Arch. Naturg.* LX, II, 3, p. 25.

1895. Évolution du système nerveux et de l'organe vibratile chez les larves d'Ascidies composées. *Compt. rend. Acad. Sci.* CXX, pp. 462–464.

1895. Larvæ of Ascidians. *Jrn. R. Micr. Soc.* 1895, p. 299.

1899. *Arch. Naturg.* LX, II, 3, p. 24.

1895. Contributions à l'Embryogénie des Ascidies simples. *Compt. rend. Acad. Sci.* CXXI, pp. 270–273.

1896. Contributions to the Embryogeny of Simple Ascidians. (Transl.) *Ann. Nat. Hist.* (6) XVII, pp. 106–108.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 11.

1899. *Arch. Naturg.* LX, II, 3, p. 17.

1896. Les membranes embryonnaires et les cellules de rebut chez les Molgules. *Compt. rend. Acad. Sci.* CXXII, pp. 40–42.

1896. Follicle cells in *Molgula. Jrn. R. Micr. Soc.* 1896, p. 180.

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 6–7.

1899. *Arch. Naturg.* LX, II, 3, p. 17.

1896. Description d'un nouveau genre d'Ascidie simple de la famille des Mongulidées, *Gamaster dakarensis. Compt. rend. Acad. Sci.* CXXII, pp. 1345–1347.

1899. *Arch. Naturg.* LX, II, 3, p. 45.

1898. Embryogénie de la larve double des Diplosomidés. *Compt. rend. Acad. Sci.* CXXVI, pp. 848–850.

1898. Development of double larva of Diplosomidæ. *Jrn. R. Micr. Soc.* 1898, pp. 415–416.

1901. *Arch. Naturg.* LXI, II, 3, pp. 150–152.

1898. Classification des Molgulidées. Formes nouvelles des collections du Muséum. *Compt. rend. Acad. Sci.* CXXVI, pp. 1814–1817.

1898. Classification of Molgulidæ. *Jrn. R. Micr. Soc.* 1898, p. 529.

1901. *Arch. Naturg.* LXI, II, 3, p. 159.

Pizon, *A.*

1898. Nouvelles observations biologique sur la vie coloniale des Tuniciers fixés (Botrylles et Botrylloides). *Compt. rend. Acad. Sci.* CXXVII, pp. 127–130.

1899. Life in a Tunicate colony. *Jrn. R. Micr. Soc.* 1899, p. 26.
1902. *Arch. Naturg.* LXI, II, 3, p. 150.

1898. Contributions à l'étude du rôle du nucléole. *Compt. rend. Acad. Sci.* CXXVII, pp. 241–243. [Tunicata.]

1899. *Zool. Jahresb.* 1898, Tunicata, pp. 4–5. [Above four memoirs.]
1902. *Arch. Naturg.* LXI, II, 3, p. 143.

1898. Étude anatomique et systématique des Molgulidées appartenant aux collections du Muséum de Paris. *Ann. Sci. nat.* (8) Zool. VII, pp. 305–391, pls. xi–xv.

1900. *Zool. Jahresb.* 1899, Tunicata, p. 4.
1902. *Arch. Naturg.* LXI, II, 3, p. 160.

1898. Révision des Tuniciers du Muséum (Famille des Molgulidées). *Bull. Mus. Hist. nat.* IV, pp. 272–274.

1902. *Arch. Naturg.* LXI, II, 3, pp. 160–161.

1898. Description d'un nouveau genre d'Ascidie simple des côtes de France (*Polycarpoides sabulosum*). *Bull. Mus. Hist. nat.* IV, pp. 326–327.

1898. Classification des Tuniciers. L'embryon des Diplosomidés. *See* Perrier, E., & A. Pizon.

1899. Description d'un nouveau genre d'Ascidie simple de la famille des Molgulidées, *Meristocarpus*. *Bull. Mus. Hist. nat.* V, pp. 42–43.

1905. *Arch. Naturg.* LXIII, II, 3, p. 186.

1899. Études biologiques sur les Tuniciers coloniaux fixés. *Bull. Soc. Ouest France,* IX, 1, 55 pp., 16 pls., 2 text-figs.

1905. *Arch. Naturg.* LXIII, II, 3, pp. 169–170.

1899. Observations biologiques sur les Tuniciers coloniaux fixés (2e partie).—Résumé. *Bull. Mus. Hist. nat.* V, pp. 388–389.

1905. *Arch. Naturg.* LXIII, II, 3, pp. 170–171.

1899. Sur la coloration des Tuniciers et la mobilité de leurs granules pigmentaires. *Compt. rend. Acad. Sci.* CXXIX, pp. 395–398.

1899. Coloration of Tunicates. *Jrn. R. Micr. Soc.* 1899, pp. 586–587.
1900. *Zool. Jahresb.* 1899, Tunicata, pp. 8–9.
1905. *Arch. Naturg.* LXIII, II, 3, p. 158.

1899. Sur la persistence des contractions cardiaques pendant les phénomènes de régression chez les Tuniciers. *Compt. rend. Acad. Sci.* CXXIX, pp. 415–417.

Pizon, A.

1900. Études biologiques sur les Tuniciers coloniaux fixés, 2e partie. Botryllidés et Distomidés. *Bull. Soc. Ouest France*, X, 1–2, 72 pp., 2 pls., 3 text-figs.

1901. *Zool. Jahresb.* 1900, Tunicata, pp. 5–7.
1905. *Arch. Naturg.* LXIII, II, 3, p. 170.

1901. Origine du pigment chez les Tuniciers. Transmission du pigment maternel à l'embryon. *Compt. rend. Acad. Sci.* CXXXII, pp. 170–172.

1901. Pigmentation in Tunicates. *Jrn. R. Micr. Soc.* 1901, p. 269.
1902. *Zool. Jahresb.* 1901, Tunicata, pp. 2–3.
1905. *Arch. Naturg.* LXIII, II, 3, p. 158.

1901. Théorie mécanique de la Vision. *Compt. rend. Acad. Sci.* CXXXIII, pp. 835–837. [p. 837.]

1902. Méthode d'observation des animaux coloniaux. Application à l'étude de l'évolution des Tuniciers bourgeonnants. *Verh. internat. zool. Congr.* V (Berlin), p. 200.

1902. Rôle du pigment dans le phénomène de la Vision. *Verh. internat. zool. Congr.* V (Berlin), p. 339.

1902. Origine et vitalité des granules pigmentaires des Tuniciers; mimétism de nutrition. *Verh. internat. zool. Congr.* V (Berlin), pp. 737–738.

1903. *Zool. Jahresb.* 1902, Tunicata, p. 4.

1902. Physiologie du cœur chez les colonies de Diplosomes (Ascidies composées). *Compt. rend. Acad. Sci.* CXXXIV, pp. 1528–1530.

1902. Heart of Diplosomidæ. *Jrn. R. Micr. Soc.* 1902, pp. 638–639.
1903. *Zool. Jahresb.* 1902, Tunicata, p. 4.

1903. Évolution des Diplosomidés (Ascidies composées). *Compt. rend. Acad. Sci.* CXXXVII, pp. 759–761.

1904. Development of Diplosomidæ. *Jrn. R. Micr. Soc.* 1904, p. 57.
1904. *Zool. Jahresb.* 1903, Tunicata, p. 6.
1905. *Arch. Naturg.* LXIV, II, 3, p. 116.

1905. L'évolution des Diplosomes (Ascidies composées). *Arch. Zool. expér.* (4) IV, 1, pp. 1–68, pls. i–viii.

1906. Development of Diplosomidæ. *Jrn. R. Micr. Soc.* 1906, pp. 296–297.
1906. *Zool. Jahresb.* 1905, Tunicata, pp. 7–9.
1909. *Arch. Naturg.* LXXIII, II, 3, Tunicata, p. 9.

1905. Une nouvelle application de la chronophotographie; la Biotachygraphie. *Compt. rend. Congr. internat. Zool.* VI (Berne), pp. 404–409, 4 figs. [*Botryllus.*]

1905. Nouvelles observations sur le mécanisme de la circulation chez les Tuniciers. *Compt. rend. Congr. internat. Zool.* VI (Berne), p. 410. [*Perophora.*]

Pizon, A.

1906. L'évolution des colonies de *Diplosoma spongiforme* Giard et la displanchtomie des Ascidiozoides. *Compt. rend. Acad. Sci.* CXLII, pp. 463–465, 1 fig.

1906. Development of *Diplosoma spongiforme*. *Jrn. R. Micr. Soc.* 1906, p. 433.

1907. *Zool. Jahresb.* 1906, Tunicata, p. 3.

1909. *Arch. Naturg.* LXXIII, II, 3, Tunicata, pp. 9–10.

1908. Ascidies d'Amboine. *Rev. Suisse Zool.* XVI, pp. 195–240, pls. ix–xiv. [6 new sps.]

1909. *Zool. Jahresb.* 1908, Tunicata, p. 3.

1910. *Arch. Naturg.* LXXV, II, 3, pp. 11, 14.

1908. Les phénomènes de phagocytose et d'autodigestion du cours de la régression des Ascidiozoides chez les Diplosomidées (Ascidies composées). *Compt. rend. Acad. Sci.* CXLVII, pp. 640–642.

1909. *Zool. Jahresb.* 1908, Tunicata, p. 6.

1909. Le stolon génital des Diplosomes (Ascidies composées); son évolution au cours de la régression partielle et de la displanchtomie des ascidiozoïdes. *Compt. rend. Acad. Sci.* CXLIX, pp. 304–305.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 4.

Plancus, *Janus.*

See Bianchi, G.

Plate, *Ludwig Hermann.*

1896. Einige Winke zur Sammel- und Conservirungstechnik für zoologische Forschungsreisende. *Zool. Anzeig.* XIX, pp. 40–46. [p. 42.]

1903. Beiträge zur Technik des Sammelns, der Konservierung, und der Aufstellung biologischer Gruppen mariner Tiere. *Verh. deutsche zool. Ges.* XIII, pp. 143–158. [pp. 148, 153.]

1906. Das Sammeln und Konserviren wirbelloser Seetiere. (In) Anleitung zu wissenschaftlichen Beobachtungen auf Reisen. . . . von G. von Neumayer. Ed. 3. 2 vols. 8°. Hannover. II, pp. 595–640, 7 figs. [pp. 628–629.]

Plateau, *Félix Auguste Joseph.*

1892. La resemblance protectrice dans le Règne Animal. *Bull. Acad. Sci. Belg.* (3) XXIII, pp. 89–135. [p. 103.]

Plinius secundus, *Caius.* (*cir.* A.D. 70.)

1469. Plinius secundus . . . Libros Naturalis Historiæ. fol. Venetiis. [Lib. XIII, cap. xxv; lib. XXXII, cap. ix.]

PLINIUS SECUNDUS, *C.*

1601. The Historie of the World: commonly called the naturall Historie of C. Plinius secundus. Transl. by P. Holland. 2 vols. fol. London. [I, p. 401; II, pp. 442, 443.]

1850–51. Histoire naturelle de Pline, avec la traduction en Français, par M. É. Littré. 2 vols. 8°. Paris. [I (1851), p. 517; II (1850), pp. 386, 387, 397.]

1855–57. The Natural History of Pliny. Transl. by J. Bostock & H. T. Riley. 6 vols. 8°. London. [III (1855), pp. 210–211; VI (1857), pp. 39, 41.]

Poche, *Franz.*

1907. Ueber den richtigen Gebrauch der Gattungsnamen *Holothuria* und *Actinia*, nebst einigen andern, grösstenteils dadurch bedingten oder damit in Zusammenhang stehenden Aenderungen in der Nomenclatur der Cœlenteraten, Echinodermen, und Tunicaten. *Zool. Anzeig.* XXXII (1908), pp. 106–109. [pp. 107, 109.]

Pouchet, *Felix Archimède.*

1832. Traité élémentaire de Zoologie, ou Histoire naturelle du Règne Animal. 8°. Paris. [pp. 572–574.]

1841. Zoologie classique, ou Histoire naturelle du Règne Animal. Ed. 2. 2 vols. and Atlas. 8°. Paris & Rouen. [II, pp. 441, 449, 514–515; Atlas, p. 15, pl. iv, line 5.]

Pouchet, *Henri Charles Georges.*

1892. Sur la faune pélagique du Dyrefjord (Islande). *Compt. rend. Acad. Sci.* CXIV, pp. 191–193. [p. 192.]

Poulton, *Edward Bagnall.*

1889. Essays upon Heredity. *See* WEISMANN, F. L. A.

Pratt, *Edith M.*

1898. Contribution to our knowledge of the Marine Fauna of the Falkland Islands. *Mem. Manch. Lit. Phil. Soc.* XLII, 13, 26 pp., pl. v. [pp. 22, 24 (2 sps.).] (And) *Stud. Biol. Owens Coll.* IV, pp. 67–85, pl. v. [pp. 83–84, 85.]

Pratt, *Henry Sherring.*

1902. A course in Invertebrate Zoology. 8°. Boston & London. [pp. 125–130 (*Molgula*), 177, 178, 180, 189.]

Prenant, *Auguste, P.* **Bouin,** *& L.* **Maillard.**

1904. Traité d'Histologie. 2 vols. 8°. Paris, 1904–11. [I, pp. 506–508, f. 437 (*Salpa democratica*).]

Prestel, *Michael August Friedrich.*

1840. Lehrbuch der Naturgeschichte. 3 vols. 8°. Emden, 1840–43. III. Das Thierreich nach Oken. [pp. 83–84.]

Pruvot, *G.*

1895. Coup d'œil sur la distribution générale des Invertébrés dans la région de Banyuls (Golf du Lion). *Arch. Zool. expér.* (3) III, pp. 629–658, 1 map. [pp. 642, 646, 651.]

1897. Essai sur les fonds et la faune de la Manche occidentale (côtes de Bretagne) comparés à ceux du Golfe du Lion *Arch. Zool. expér.* (3) V, pp. 511–644 (incl. table, 43 pp.), pls. xxi–xxvi. [pp. 584–601 *passim*, 618–620 in table (108 sps.).]

1901. Le "Roland" et sa première croisière sur la côte de Catalogne en juillet-août 1900. *Arch. Zool. expér.* (3) IX, pp. 1–42, 15 figs. [pp. 38–41.]

1902. *Zool. Centralbl.* IX, p. 108.

Przibram, *Hans.*

1902. Versuch zur chemischen Charakterisierung einiger Tierklassen des natürlichen Systems auf Grund ihres Muskelplasmas. *Beitr. chem. Physiol. Path.* II, pp. 143–147, and table. [Table (*Ascidia mamillata*).]

1904. Einleitung in die experimentelle Morphologie der Thiere. 8°. Leipzig & Wien. [*Distaplia.*] (*Fide* Matzdorff.)

1907–10. Experimental-Zoologie. 3 vols. 8°. Leipzig & Wien, 1907–10. [I.—Embryogenese (1907), pp. 15, 24, 37, 72–73, pl. xiv, ff. 1–9; II.—Regeneration (1909), pp. 139–146, pl. x, ff. 17–22; III.—Phylogenese (1910), pp. 20, 153.]

1908. Experimental Zoology. Part I. Embryogeny. Transl. by Miss H. Sollas. 8°. Cambridge. [pp. 16, 24–25, 39, 71–73, pl. xiv, ff. 1–9.]

"P. S. B."

1867. A few words about some Ascidians. *Sci. Gossip*, II, pp. 80–82, ff. 23, 24 (4 figs.).

Puetter, *August.*

1907. Die Ernährung der Wassertiere. *Zeitschr. allgem. Physiol.* VII (1908), 2–3, pp. 283–320. [pp. 295–319 *passim.*]

1909. Die Ernährung der Wassertiere und der Stoffhaushalt der Gewässer. 8°. Jena. [pp. 70–73.]

Pye-Smith, *Philip Henry.*

1874. Catalogue of the preparations of Comparative Anatomy in the Museum of Guy's Hospital. 8°. London. [pp. 209–210.]

Q.

Quatrefages de Bréau, *Jean Louis Armand de.*

1844. Researches on the organization of the Invertebrate Animals. Commun. by A. Tulk. *Ann. Nat. Hist.* (1) XIV, pp. 28–34. [pp. 29, 30, 31.]

1850. Mémoire sur la Phosphorescence de quelques Invertébrés marins. *Ann. Sci. nat.* (3) Zool. XIV, pp. 236–281, pl. v. [pp. 240, 248, 249, 263.]

1850. Mémoire sur la cavité générale du corps des Invertébrés. *Ann. Sci. nat.* (3) Zool. XIV, pp. 302–320. [pp. 303, 310–311.]

1850. Mémoire sur la Phosphorescence du port de Boulogne, et sur les Animaux qui la produisent. *Compt. rend. Acad. Sci.* XXXI, pp. 618–621. [(?) p. 619 (*Mammaria*).]

1853. On the Phosphorescence of some Marine Invertebrata. (Abridged transl.) *Amer. Jrn. Sci. Arts,* (2) XV, pp. 193–204; XVI, pp. 69–77, 2 figs. [XV, pp. 196, 201, 202; XVI, p. 75.]

1853. (Title as above.) *Ann. Nat. Hist.* (2) XII, pp. 15–27, 180–188. [pp. 18, 24, 25, 186.]

1862. Physiologie comparée. Métamorphoses de l'Homme et des Animaux. 8°. Paris. [pp. 163–166.]

1864. Metamorphoses of Man and the Lower Animals. (Transl. by H. Lawson.) 8°. London. [pp. 146–148, 161–164, 171.]

Quekett, *John Thomas.*

1850. Descriptive and illustrated Catalogue of the histological series contained in the Museum of the Royal College of Surgeons of England. 2 vols. 4°. London, 1850–55. [I, pp. 200–201, 267–269; pl. xi, f. 14; pl. xvii, f. 13.]

1854. Lectures on Histology . . . 1851–52. 2 vols. 8°. London, 1852–54. [II, pp. 256, 260–267, ff. 145–152.]

1860. Catalogue of the contents of the Museum of the Royal College of Surgeons of England. Pt. I. 4°. London. [pp. 261–264.]

Quoy, *Jean René Constant, & J. Paul* **Gaimard.**

1824. Zoologie. (In) Voyage autour du Monde, . . . sur les corvettes de S. M. l'Uranie et la Physicienne . . . 1817–20. Par M. Louis de Freycinet. 4°; Atlas, fol. Paris. [pp. 497–516 (Biphores).]

1827. *Isis*, XX, cols. 1007–1026. [cols. 1017–1019.]

Quoy, *J. R. C., & J. P.* Gaimard.

1824. Observations sur quelques Mollusques et Zoophytes, envisagés comme causes de la Phosphorescence de la Mer. *Ann. Sci. nat.* (1) IV (1825), pp. 5–13. [p. 81.]

1825. Observations sur les Biphores et les Béroés, faites pendant la Voyage autour du Monde de la corvette l'Uranie. *Ann Sci. nat.* VI, pp. 28–51, pl i. [pp. 28–47, pl. i, ff. 3–10.]

1831. Ueber die Biphoren und Beroen. *Isis*, 1831, col. 1262–1263.

1825. Descriptions de cinq genres de Mollusques, et de quatre genres de Zoophytes, découverts pendant le Voyage autour du Monde commandé par M. L. de Freycinet. *Ann. Sci. nat.* (1) VI, pp. 74–88, 2 pls. [pp. 79–82, pl. ii, ff. 9–11 (*Monophora* and *Mariana*).]

1826. Sur quelques pointes de l'organisation des Biphores. *Nouv. Bull. Soc. philom.* 1826, pp. 123–126, pl. ff. A, 1–3.

1827. Observations zoologiques faites à bord de l'Astrolabe en mai 1826, dans le détroit de Gibraltar. *Ann. Sci. nat.* (1) X, pp. 5–21, 172–193, 225–239, pls. i–viii. [pp. 6–21, 225–227, 238, pls. i, ii, viii A.]

1833–34. Voyage de Déconvertes de l'‘Astrolabe,’ . . . 1826–29. Zoologie, 4 vols. 8°; Atlas, fol. Paris, 1830–34. [III (1834), pp. 559–626, pls. lxxxvi–xcii; IV (1833), pp. 304–306, pl. xxvi, ff. 4–7.]

1835. *Isis*, 1835, cols. 850–863. [col. 860.]

R.

Rabaud, *Etienne.*

1891. Les recherches sur les Tuniciers des côtes de France. *Naturaliste*, XIII, pp. 134–135.

Radziszewski, *Bronislaus.*

1880. Ueber die Phosphorescenz der organischen und organisirten Körper. *Ann. Chemie* (Liebig), CCIII, pp. 305–336. [p. 334 (*Pyrosoma*).]

Rafinesque-Schmaltz, *Constantina Samuel.*

1814. Précis des déconvertes et travaux somiologiques . . . entre 1800 et 1814, . . . 55 pp. 8°. Palermo. [p. 33.]

1814. Specchio delle scienze o giornale enciclopedies di Sicilia. 2 vols. 8°. Palermo. [II, 12, p. 166 ? (*Psadiroma*).]

1815. Analyse de la Nature ou tableau de l'Universe et des corps organisés. 8°. Palerme. [pp. 148–149.]

1819. Descriptions de onze genres nouveaux de Mollusques, publiés en 1814. *Jrn. Physique*, LXXXIX, pp. 150–154. [p. 154 (*Psadiroma bicolor*).]

Railliet, *A.*

1886. Éléments de Zoologie médicale et agricole. 8°. Paris. [pp. 116, 645, 676, 677, 680–683, ff. 496, 497.]

(Ed. 2, 1895. [pp. 110, 929, 930-933, ff. 658, 659.])

Rang, *Paul Karel Sander Leonard.*

1829. Manuel de l'Histoire naturelle des Mollusques et de leurs coquilles, . . . 12°. Paris. [pp. 350–361, pl. viii, f. 4 (*Biphora*).]

1834. Sur l'*Ascidia papillosa* Gm. *Mag. Zool.* IV, Class V, pl. xliii, 2 pp. text.

Rankin, *James.*

1894. On the supposed vertebration of the Tail in *Appendicularia*. *Zool. Jahrb.*, Anat. VIII, 2, pp. 289–300, pl. i. [*Oikopleura* and *Fritillaria*.]

1895. *Jrn. R. Micr. Soc.* 1895, p. 163.

1900. Preliminary Report on the Tunicata of Millport and neighbourhood. *Comm. Millport Biol. Stat.* I, pp. 43–53. [26 sps.]

1901. Tunicata. (In) Fauna, Flora, and Geology of the Clyde Area. (Brit. Assoc. Handbook Nat. Hist. Glasgow.) 8°. Glasgow. [pp. 181–183 (50 sps.).]

1903. [Tunicata.] (In) Investigations in the Laboratory of the Marine Biological Association of the West of Scotland.—Report of the Committee. *Rep. Brit. Assoc.* 1902, pp. 272–273.

Rapp, *Wilhelm.*

1829. Ueber die Polypen im Allgemeinen und die Actinien insbesondere. 62 pp., 3 pls. 4°. Weimar. [pp. 1–2, 26–27.]

Rasch, *Halvor Heyerdahl.*

1836. Naturhistoriske Notitsen. Fra en Reise foretagen i Sommeren 1833. *Mag. Naturvid.* XII, pp. 285–326. [pp. 298–299, 306, 321, 323.]

Rathbun, *Richard.*

1880. Marine Invertebrata from New England. *See* Verrill, A. E., & R. Rathbun.

Rathke, *Jens.*

1806. (Tunicata in) Zoologia Danica. *See* Müller, O. F.

Rathke, *Martin Heinrich.*

1835. Beschreibung der *Anchinia*. *See* Escholtz, J. F., & H. Rathke.

1843. Beiträge zur Fauna Norwegens. *Nova Acta Acad. Leop.-Car.* XX, 1, pp. 1–264 *c*, pls. i–xii. [pp. 133–135, 257, pl. vi, ff. 26–28 (*Ascidia* (*Cynthia*) *echinata*).]

Rauschenplat, *Ernst.*

1901. Ueber die Nahrung von Tieren aus der Kieler Bucht. (In) Wiss. Meeres. Komm. deutsch. Meere, Abth. Kiel, (N. F.) V, 2, pp. 83–151. 4°. Kiel & Leipzig. [pp. 86, 127–128, 141, 143, 144.]

Ray, *John.*

1713. J. Raii Synopsis methodica Avium & Piscium; opus posthumum . . . [Ed. by W. Derham.] 2 parts. 4°. Londini. [2, pp. 134–135 (*Salpa*).]

1724. Synopsis Methodica Stirpium Britannicarum. Ed. 3. 8vo. Londini. [p. 31 (*Pulmo marinus alter Rondeletii*).]

Redeke, *Heinrich Carl.*

1902. Note sur la composition du plankton de l'Escaut oriental. *Tijdschr. Nederl. Dierk. Ver.* (2) VII, 1, 3–4, pp. 244–253, 1 chart. [pp. 252–253 (3 sps.).]

Redeke, *H. C., & P. J. van* **Breemen.**

1904. Plankton en Bodendieren in de Noordzee verzameld van 1–6 Aug. 1901 mit de "Nelly" Y.M. 9. *Tijdschr. Nederl. Dierk. Ver.* (2) VIII, pp. 118–147. [pp. 128, 147 (5 sps.)]

Redenbaugh, *W. A.*

1895. Preservation of some Marine Animals. *Amer. Naturalist,* XXIX, pp. 399–401. [pp. 399, 401.]

1899. *Arch. Naturg.* LX, II, 3, p. 9.

Redi, *Francesco.*

1684. Osservazioni di F. Redi . . . intorno agli Animali viventi, che si trovano negli Animali viventi. 4°. Firenze. [pp. 59–62, 183–187, pls. xxi, f. 6, xxii, ff. 1–3 (*Microcosmus marinus* and *Mentula marina*).]

1708. F. Redi de Animalculis vivis quæ in corporibus Animalium vivorum reperiuntur, observationes. (Transl.) fecit P. Coste. 12°. Amstelædami. [pp. 86–91, 271–276, pls. xxi, f. 6, xxii, ff. 1–3.]

1712. Opere di F. Redi. [Ed. 2.] 7 vols. 8°. Venezia, 1712–30. [I, 2, pp. 52–54, 160–164, pls. xxi, f. 6, xxii, ff. 1–3.]

(First ed. 1687, others in 1740–41, 1742, 1762, and 1809–11.)

1729. Opuscula varia physiologica tribus voluminibus contenta. 3 parts. 12°. Lugduni Batavorum. [3, pp. 86–91, 271–276, pls. xxi, f. 6, xxii, ff. 1–3.]

1757. Observations de Redi sur les animaux vivants qui se trouvent dans les animaux vivants. (Transl.) *Coll. Académique,* pt. étrang. IV, pp. 464–540. [pp. 486–487, 534–535, pls. xxx, f. ii, xxxiii, f. x.]

Redi, *F.*

1858. Opuscoli di Storia naturale di Francesco Redi. 8°. Firenze. [pp. 339 (figs.)–340, 359, 420–422 (fig.), 432 (fig.).]

Redikorzew, *Vladimir Vladimirovich.*

1902. Die Zwitterdrüsenbildung einer zusammengesetzten Ascidie. *Zool. Anzeig.* XXV, pp. 484–486, 1 fig.

1902. Ovum within testes of *Fragarium elegans. Jrn. R. Micr. Soc.* 1902, p. 548.

1903. *Zool. Jahresb.* 1902, Tunicata, p. 4.

1905. [Report on the work of the Murmanski Biological Station, 1905.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXXVI, 1, pp. 188–204. [p. 198 (14 sps.).]

1908. *Arch. Naturg.* LXIX, II, 3, p. 20. [List of sps.]

1905. Ueber das Sehorgan der Salpen. *Morphol. Jahrb.* XXXIV, 2, pp. 204–239, pl. vi.

1906. The visual organ of *Salpa. Jrn. R. Micr. Soc.* 1906, p. 169.

1906. Ascidians. (In) Derjugin's Murmanche biol. Stat. *See* Derjugin, K. M. (The Tunicata are by Redikorzew.)

1906. Ein Beitrag zur Ascidienfauna der Arctis. *Ann. Mus. St. Pétersb.* XI, pp. 126–154. [20 sps.]

1907. *Zool. Zentralbl.* XIV, p. 457.

1906. [Note on the Ascidians of the White Sea.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXXVII, 1, pp. 307–310. Resumé in German, p. 366.

1907. Die Ascidien der russischen Polarexpedition 1900–1903. *Zool. Anzeig.* XXXI, pp. 521–525.

1908. Die Ascidien des sibirischen Eismeeres. *Mém. Acad. St. Pétersb.* (8) XVIII, 11, 59 pp., 2 pls., 11 text-figs. [21 sps.]

1910. *Zool. Jahresb.* 1909, Tunicata, p. 3.

1910. *Arch. Naturg.* LXXV, II, 3, pp. 10, 14.

1908. Eine Neue *Rhizomolgula-Art. Ann. Mus. St. Pétersb.* XIII, pp. 327–331, 1 fig.

1908. [The Ascidians of the Murmanski coast.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXXIX, 1, pp. 19–38. Résumé in German.

1910. *Arch. Naturg.* LXXV, II, 3, pp. 10, 14.

Reed, *Edwyn C.*

1892. Compendio de Historia natural de Chile. 8°. Santiago de Chile. [p. 96.]

Reeker, *H.*

1902. Ueber den Herzschlag der Salpen. *Jahresb. Westfäl. Prov.-Ver.* XXX, pp. 45–47.

Reh, *Ludwig.*

1895. Zur Fauna der Hohwachter Bucht. *Zool. Jahrb.,* Syst. VIII, pp. 237–256. [p. 256.]

Reibisch, *Johannes.*

1895. Ergebnisse der Plankton-Expedition. Bd. II E. a. Die Thaliaceen. *Biol. Centralbl.* XV, pp. 93–96.

1895. Plankton Thaliacea. *Jrn. R. Micr. Soc.* 1895, p. 519.

Reichard, *A.*

1903. Ueber cuticular- und gerüst-Substanzen bei wirbellosen Tieren. 46 pp. 8°. Heidelberg. [Tunicin.] (*Fide* Matzdorff.)

Reichenbach, *Anton Benedict.*

1854. Neueste und reichhaltigste Volks-Naturgeschichte des Thierreichs . . . (ed. 2). 2 vols. 4°. Leipzig. [p. 197 (*Salpa* and *Ascidia*).]

1858. Naturgeschichte des Thierreiches. 8°. Leipzig. [pp. 513–514.]

Reichenbach, *Heinrich Gottlieb Ludwig.*

1828. Zoologie oder Naturgeschichte des Thierreichs, . . . 12°. Dresden. [1, p. 85.]

Reichert, *Carl Bogislaus.*

1874. [Notices of works on the Tunicata.] *Sitzber. Ges. Freunde Berlin,* 1874, pp. 14–16.

1875. Zur Anatomie des Schwanzes der Ascidien-Larven (*Botryllus violaceus*). *Abh. Akad. Wiss. Berlin,* 1875 (1876), 2, pp. 131–192, 5 pls.

1877. *Zool. Record,* XII, p. 208.

1878. Der Schwanz der *Appendicularia*. *Sitzber. Ges. Freunde Berlin,* 1878, p. 101.

Renier, *Stefano Andrea.*

1793. Lettera . . . sopra il Botrillo piantanimale marino. *Opusc. scelti Scienze,* XVI, pp. 256–267, pl. i, ff. 1–12.

1804. Prospetto della Classe dei Vermi, . . . fol. Padua. [pp. xvi–xvii (*Ascidia* and *Polycitor*).]

(An unfinished work.)

1807. Tavola per servire alla classificazione e connoscenza degli Animali. 8 tables. fol. Padova. [t. vii.]

(An unfinished work).

1847. Del genere *Polycitor* (Ren.) e di alcune sue specie. (In) Osservazioni postume di Zoologia Adriatica, pp. 13–20, pls. xiv, xv. (*Ist. Veneto Scienze.*) fol. Venezia.

1848. *Arch. Naturg.* XIV, II, p. 256.

Renier, *S. A.*

1847. Osservazioni postume. *See also* Meneghini, G.

Rennie, *John, & Harry* **Wiseman.**

1907. On collections of the Cape Verde Island marine fauna, made by Cyril Crossland, July to Sept. 1904.—The Ascidians. *Proc. Zool. Soc. Lond.* 1906, 4, pp. 903–911, pls. lxiv–lxv. [10 sps.]

1909. *Arch. Naturg.* LXXIII, II, 3, p. 16. [List of sps.]

Retzius, *Magnus Gustav.*

1890. Biologische Untersuchungen. (N. F.) fol. Stockholm & Leipzig. I, 2, Muskelfibrille und Sarcoplasma, pp. 51–88, pls. xv–xvii. [pp. 69, 81–88, pl. xvii, ff. 13, 14 (*Appendicularia*).]

1891. *Biol. Centralbl.* XI, pp. 520-534. [pp. 528, 529–530.]

1902–5. Biologische Untersuchungen. (N. F.) fol. Stockholm & Jena. X (1902), 4, Weiteres zur Kenntnis der Sinneszellen der Evertebraten, pp. 25–33, pls. viii–xii. [pp. 32–33, pl. xii (*Appendicularia*).] XI (1904), 1, Zur Kenntnis der Spermien der Evertebraten, I, pp. 1–32, pls. i–xiii. [pp. 4, 14–16, pl. v, ff. 14–36 (*Ciona intestinalis* and *Clavelina lepadiformis*).] XII (1905), 9, Zur Kenntnis der Spermien der Evertebraten, II, pp. 79–102, pls. xi–xviii. [pp. 88–89, pl. xi, ff. 21–25, pl. xix, ff. *a–c* (*Botryllus rubrum* and *Oikopleura dioica*).]

(In progress.)

Reuter, *Enzio Raphaël.*

1909. Zur Morphologie und Ontogenie der Acariden mit besonderer Berücksichtigung von *Pediculopsis graminum* (E. Rent.). *Acta. Soc. Scient. Fenn.* XXXVI, 4, 288 pp., 6 pls., 12 text-figs.

Richard, *Jules.*

1899. Essai sur les Parasites et les commensaux des Crustacés. *Arch. Parasitol.* II, pp. 548–595. [pp. 549, 590.]

1900. Les Campagnes scientifiques de S. A. S. le Prince Albert I^er^ de Monaco. (Exposition universelle de 1900. Principanté de Monaco.) 8°. Monaco. [p. 104.]

1903. Sur l'état actuel du Musée Océanographique de Monaco et sur les travaux que s'y poursuivent. *Bull. Soc. zool. France,* XXVIII, pp. 57–62. [p. 58.]

1903. Campagne scientific du yacht "Princesse Alice" en 1902. *Bull. Soc. zool. France,* XXVIII, pp. 63–79. [p. 65 (*Pyrosoma*).]

RICHARD, *J.*

1905. Observations sur la Faune bathypélagique, . . . (In) Campagne scientifique du yacht "Princesse-Alice" en 1904. *Bull. Mus. océanogr. Monaco,* 41, 30 pp. [pp. 8, 15, 17.]

1908. *Arch. Naturg.* XLIX, II, 3, Tunicata, p. 21.

Riddell, *W.*

1909. *Ascidicola rosea* in Belfast Lough. *Irish Naturalist,* XVIII, p. 140. [In *Ascidia virginea.*]

Riedlinger, *Reinhold.*

1902. Untersuchungen über den Bau von *Styelopsis grossularia* der Ostsee. *Nova Acta Akad. Leop.-Car.* LXXXI (1903), 1, 62 pp., 6 pls., 3 text-figs. (And sep.) 4°. Halle.

Riefkohl, *F.*

1885. Die Insel Norderney . . . Ed. 3. 8°. Hannover. [pp. 85, 87, ff. 28–30.]

Riehm, *Gottfried.*

1887. Repetitorium der Zoologie. 8°. Göttingen. [pp. 19, 117–119, ff. 199–201.]

(Ed. 2 in 1892. [pp. 126-129.])

Riester, —.

1829–38. Traité d'Anatomie comparée. *See* MECKEL, J. F.

Riggenbach, *E.*

1903. Die Selbstverstümmelung der Tiere. *Ergebn. Anat. Entwick.* XII, Anat. 2, pp. 782–903. [pp. 828–829.]

Riley, *Henry Thomas, & John* **Bostock.**

1855–57. Natural History of Pliny. *See* PLINIUS SECUNDUS, C.

Rimsky-Korsakow, *M.*

1905. [Account of a foreign journey in the years 1902 and 1903.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXXIV, 4, pp. 139–167. [pp. 146, 163 (*Appendicularia* and *Salpa*).]

Rink, *Hinrich Johannes.*

1857. Grönland geograpisk og statistisk beskrevet. 2 vols. 8°. Kjobenhavn. [II, II, pp. 104–105 (10 sps.).]

1877. Danish Greenland: its people and its products. Ed. by R. Brown. 8°. London. [p. 442 (13 sps.).]

Risso, *Antonine.*

1826. Histoire naturelle des principales productions de l'Europe Méridionale, et particulièrement de celles des environs de Nice et des Alpes Maritimes. 5 vols. 8°. Paris & Strasbourg. [IV, pp. 273–285 (31 sps.).]

Ritter, *William Emerson.*

1893. Tunicata of the Pacific Coast of North America. I.–*Perophora annectans* n. sp. *Proc. California Acad.* (2) IV (1895), pp. 37–85, pls. i–iii.

1894. Parasites of *Perophora annectans*. *Jrn. R. Micr. Soc.* 1894, p. 692.

1895. *Zool. Centralbl.* I, pp. 899–900.

1894. On a new *Balanoglossus* larva from the coast of California, and its possession of an Endostyle. *Zool. Anzeig.* XVII, pp. 24–30, 2 figs. [p. 29.]

1895. On budding in *Goodsiria* and *Perophora*. *Anat. Anzeig.* X, pp. 364–368.

1895. Budding in *Goodsiria* and *Perophora*. *Jrn. R. Micr. Soc.* 1895, pp. 162–163.

1896. Budding in Compound Ascidians, based on studies on *Goodsiria* and *Perophora*. *Jrn. Morphol.* XII, pp. 149–238, pls. xii–xvii, text-ff. 1, 2.

1896. Budding in Compound Ascidians. *Jrn. R. Micr. Soc.* 1896, pp. 612–613.

1898. *Zool. Centralbl.* V, pp. 193–195.

1896. Some facts and reflections drawn from a study of Budding in Compound Ascidians. *Rep. Brit. Assoc.* 1895, pp. 715–718.

1899. *Arch. Naturg.* LX, II, 3, p. 22.

1897. Notes on the structure and development of the type of a new family of so-called Social Ascidians from the coast of California. *Science,* (N. S.) V, pp. 434–435.

1898. *Zool. Centralbl.* V, p. 428.

1898. *Zool. Record,* XXXIV, Tunicata, p. 2.

1898. A few facts concerning the relationships and reproduction of some Behring's Sea Tunicates. *Zool. Bull. Woods Holl,* II (1899), 2, pp. 77–81.

1898. *Zool. Jahresb.* 1898, Tunicata, p. 3.

1902. *Arch. Naturg.* LXIII, II, 3, p. 170.

1899. A contribution to the knowledge of the Tunicata of the Pribilof Islands. (In) Jordan's Fur Seals and Fur-seal Islands of the North Pacific Ocean, III, pp. 511–537, pl. lxxxvi, 28 text-figs. 8°. Washington.

1904. *Arch. Naturg.* LXIII, II, 3, p. 213.

1899. Australian Tunicata. *Amer. Naturalist,* XXXIII, pp. 897–899.

1900. Some Ascidians from Puget Sound, collections of 1896. *Ann. New York Acad. Sci.* XII, pp. 589–616, pls. xviii–xx. [7 new sps.]

1901. *Zool. Centralbl.* VIII, p. 482.

RITTER, *W. E.*

1901. As to "Social Ascidians." *Amer. Naturalist,* XXXV, pp. 230–231.

1901. Social and Compound Ascidians. *Jrn. R. Micr. Soc.* 1901, p. 270.

1904. *Arch. Naturg.* LXIII, II, 3, p. 191.

1901. The Ascidians. Harriman Alaska Expedition. *Proc. Washington Acad.* III, pp. 225–266, pls. xxvii–xxx.

1902. *Zool. Centralbl.* IX, p. 542.

1902. A summer's dredging on the coast of Southern California. *Science,* (N. S.) XV, pp. 55–65. [pp. 59, 64–65.]

1904. *Arch. Naturg.* LXIII, II, 3, p. 214.

1902. The structure and significance of the Heart of the Enteropneusta. *Zool. Anzeig.* XXVI (1903), pp. 1–5, ff. 1–3. [pp. 1, 3–4.]

1903. Preliminary Report on the Marine Biological Survey work carried on by the Zoological Department of the University of California at San Diego. *Science,* (N. S.) XVIII, pp. 360–366. [p. 365.]

1903. The structure and affinities of *Herdmania claviformis,* the type of a new genus and family of Ascidians from the coast of California. (In) Mark Anniversary Volume, 12, pp. 237–262, pls. xviii, xix.

1904. New type of Ascidian. *Jrn. R. Micr. Soc.* 1904, p. 47.

1905. *Arch. Naturg.* LXIV, II, 3, pp. 123–124.

1904. *Euherdmania* vs *Herdmania* preoccupied. *Zool. Anzeig.* XXVII, pp. 650–651.

1905. *Zool. Zentralbl.* XII, pp. 254–256. [Above two memoirs.]

1904. The Biological Survey of the waters of the Pacific Coast. *Science,* (N. S.) XX, pp. 214–215. [7 sps.]

1905. The Pelagic Tunicata of the San Diego Region, excepting the Larvacea. *Univ. California publ.,* Zool. II, 3, pp. 51–112, pls. ii, iii, text-figs. 9–31. [12 sps.]

1905. *Jrn. R. Micr. Soc.* 1905, p. 430.

1906. *Cyclosalpa retracta,* a new Salpoid from the coast of Japan. *Annot. zool. Japon,* VI, 1, pp. 1–5, 2 figs.

1907. New Salpoid from Japan. *Jrn. R. Micr. Soc.* 1907, p. 159.

1907. *Zool. Zentralbl.* XIV, p. 183.

1906. *Octacnemus.* (In) Reports on the scientific results of the expedition to the Eastern Tropical Pacific, in charge of Alexander Agassiz, by the U. S. Fish Commission Steamer 'Albatross,' from October, 1904, to March, 1905. *Bull. Mus. Comp. Zool.* XLVI, pp. 231–252, 3 pls., 2 text-figs.

1906. The genus *Octacnemus.* *Jrn. R. Micr. Soc.* 1906, p. 297.

RITTER, *W. E.*

1907. The Ascidians collected by the United States Fisheries Bureau steamer 'Albatross' on the coast of California during the summer of 1904. *Univ. California publ.*, Zool. IV, 1, pp. 1–52, pls. i–iii. [14 sps.]

1908. Ascidians of California Coast. *Jrn. R. Micr. Soc.* 1908, p. 34.

1907. The significant results of a decade's study of the Tunicata [1897–1907]. *Amer. Naturalist,* XLI, pp. 453–460.

1909. *Halocynthia Johnsoni* n. sp. A comprehensive inquiry as to the extent of law and order that prevails in a single animal species. *Univ. California publ.*, Zool. VI, pp. 65–114, pls. vii–xiv.

1910. *Zool. Jahresb.* 1909, Tunicata, p. 4.

Ritter, *W. E., & Edith S.* **Byxbee.**

1905. Reports on the scientific results of the Expedition to the Tropical Pacific in the . . . 'Albatross.' . . . VIII. The Pelagic Tunicata. *Mem. Mus. Comp. Zool.* XXVI, 5, pp. 195–214, pls. i, ii.

1907. *Zool. Zentralbl.* XIV, p. 181.

Robert, *Eugène.*

1854. Voyage en Islande et au Groenland . . . sur la corvette 'La Recherche' . . . sous la direction de M. Paul Gaimard. Zoologie et Médecine. 8°. Paris. [p. 164 (3 sps.).]

Robertson, *William C.*

1898. Report on the trawling experiments of the 'Garland,' and on the fishery statistics relating thereto. *Rep. Fish. Board Scotland,* XVI, III, pp. 17–87. [pp. 57–71 *passim.*]

Rodger, *Alexander.*

1894. Preliminary account of Natural History Collections made on a Voyage to the Gulf of St. Lawrence and Davis Straits. *Proc. Roy. Soc. Edinb.* XX (1895), pp. 154–163. [pp. 157, 162 (2 sps.).]

Roemer, *Fritz.*

1904. Zoologische Sammelreise nach dem adriatischen Meere. *Ber. Senckenb. nat. Ges.* 1903, pp. 148–152. [p. 151 (*Microcosmus vulgaris*).]

1905. Die Tierwelt des nördlichen Eismeeres. *Jahrb. Nassau. Ver. Naturk.* LVIII, pp. xxiv–xliii. [p. xxxv.]

1907. Die Abnahme der Tierarten mit der Zunahme der geographichen Breite. *Ber. Senckenb. nat. Ges.* 1907, II, pp. 63–112. [p. 109.]

Roemer, *F., & Fritz* **Schaudinn.**

1900. Einleitung, Plan des Werkes und Reisbericht. (In) Fauna Arctica. I, pp. 1–84, 2 charts, 12 figs. fol. Jena. [pp. 47, 48, 54, 66.]

1903–10. Fauna Arctica. *See* HARTMEYER, R. (1903), and APSTEIN, C. (1910).

Roenfeldt, *Harriett.*

1893. The Germ-plasm. *See* WEISMANN, F. L. A.

Roethig, *Paul.*

1904. Handbuch der embryologischen Technik. 8°. Wiesbaden. [pp. 130–132.]

Roissy, *F. de.*

1804. Histoire naturelle . . . des Mollusques. 6 vols. Vols. I–IV by P. D. de Montford; V and VI by F. de Roissy. (In) Buffon's Histoire naturelle, . . . ed. by C. S. Sonnini. 64 vols. 8°. Paris, An. VII–XIII (1799–1802). [VI, pp. 165–179, pl. lx, ff. 1–6.]

Rolleston, *George.*

1888. Forms of Animal Life. A manual of Comparative Anatomy. Ed. 2. 8°. Oxford. [pp. 102–107, 334–335, 441–448.]

Rondeletius, *Gulielmus.*

1555. G. Rondeletii . . . Universæ aquatilium Historiæ pars altera, cum veris ipsorum Imaginibus. (Vol. II of Libri de Piscibus marinis, 1554–55.) fol. Lugduni. [Cap. xxi, de Tethys, pp. 127–128, fig.; cap. xxii, de Mentula marina, p. 128, fig.; cap. xxiii, de altera Mentulæ marinæ specie, p. 129, fig.; cap. xxv, de Uva marina, p. 130, fig.]

1558. La seconde partie de l'Histoire entiere des Poissons, . . . (Transl.) fol. Lion. [pp. 87–89, 90, 4 figs.]

Rosenfeld, *Georg.*

1904. Studien über das Fett der Meeresorganismen. (In) Wiss. Meeres. Komm. deutsch. Meere, (N. F.) V, 2, Abt. Helgoland, pp. 57–83. 4°. Kiel & Leipzig. [pp. 67–68 (*Appendicularia*).]

Rosenthal, *Isidor.*

1901. Lehrbuch der allgemeinen Physiologie. 8°. Leipzig. [Cellulose in mantle.] (*Fide* Matzdorff.)

Ross, *James Clark.*

1835. Natural History. (In) Appendix to the narrative of a second voyage in search of a North-west Passage, . . . by Sir John Ross, pp. i–c. 4°. London. [p. c (*Boltenia reniformis*).]

Ross, *W.*

1802. Comparative Anatomy. *See* Cuvier, G. L. C. F. D.

Rossmaessler, *Emil Adolf.*

1856. Anleitung zum Studium der Thierwelt. 8°. Leipzig. [pp. 235–236.]

Rotgans, *J.*

1906. Bijdragen tot de Kennis van de Morphologie en Systematik der Appendicularien. 8°. Leiden.

Roth, *Johannes Rudolph.*

1825. De Animalium Invertebratum systemate nervoso. 36 pp., 1 pl. 4°. Wirceburgi. [p. 19.]

Roule, *Louis.*

1882. Sur la branchie et l'appareil circulatoire de la *Ciona intestinalis*. *Compt. rend. Acad. Sci.* XCIV, pp. 1662–1665.

1883. Anatomy and Histology of *Ciona intestinalis*. *Jrn. R. Micr. Soc.* (2) III, pp. 196–198.

1882. Sur les organes sexuels de la *Ciona intestinalis*. *Compt. rend. Acad. Sci.* XCIV, pp. 1726–1729.

1882. Sur l'histologie de la *Ciona intestinalis*. *Compt. rend. Acad. Sci.* XCV, pp. 45–47.

1883. *Zool. Jahresb.* 1882, iii, pp. 2–4. [Above memoirs.]
1887. *Arch. Naturg.* LI, ii, 3, p. 120. [Above memoirs.]

1883. La structure de l'ovaire et la formation des œufs chez les Phallusiadées. *Compt. rend. Acad. Sci.* XCVI, pp. 1069–1072.

1883. Structure of Ovary of Phallusiadæ. *Jrn. R. Micr. Soc.* (2) III, p. 356.
1884. *Zool. Jahresb.* 1883, iv, p. 6.
1887. *Arch. Naturg.* LI, ii, 3, p. 121.

1883. Sur quelques points de la structure des Tuniciers. *Compt. rend. Acad. Sci.* XCVII, pp. 864–866.

1883. Structure of Tunicates. *Jrn. R. Micr. Soc.* (2) III, pp. 830–831.
1887. *Arch. Naturg.* LI, ii, 3, p. 119.

1883. Sur la faune des Phallusidées des côtes de Provence. *Compt. rend. Acad. Sci.* XCVII, pp. 1014–1016. [10 sps.]

1884. Recherches sur les Ascidies simples des côtes de Provence. Phallusiadées. *Ann. Mus. Marseille*, II, Zool. I, 270 pp., 13 pls., 13 text-figs.

1886. *Zool. Jahresb.* 1885, iv, pp. 3, 9–11.

1884. Sur le genre *Rhopalæa*. *Compt. rend. Acad. Sci.* XCVIII, pp. 1294–1296.

ROULE, *L.*

1884. On the Ascidian genus *Rhopalea*. (Transl.) *Ann. Nat. Hist.* (5) XIV, pp. 71–72.

1884. Sur deux nouvelles espèces d'Ascidies simples. *Compt. rend. Acad. Sci.* XCIX, pp. 613–614.

1885. Two new species of simple Ascidians. *Jrn. R. Micr. Soc.* (2) V, pp. 44–45.

1887. *Arch. Naturg.* LI, II, 3, pp. 167–168. [Above three memoirs.]

1885. Sur le développement des enveloppes ovulaires chez les Tuniciers. *Rec. zool. Suisse,* II, 1, pp. 195–202.

1885. Sur trois nouvelles espèces d'Ascidies simples des côtes de Provence. *Compt. rend. Acad. Sci.* C, pp. 1015–1017.

1885. New species of simple Ascidians. *Jrn. R. Micr. Soc.* (2) V, p. 631.

1886. Revision des espèces de Phallusiadées des côtes de Provence. *Rec. zool. Suisse,* III, 2, pp. 209–258, pls. xii–xv.

1886. The Phallusiadæ of Provence. *Jrn. R. Micr. Soc.* (2) VI, pp. 418–419.

1891. *Arch. Naturg.* LIV, II, 3, pp. 7–8.

1886. Recherches sur les Ascidies simples des côtes de Provence. Famille des Cynthiadées. *Ann. Sci. nat.* (6) Zool. XX (wrongly dated 1885), 1, 229 pp., 13 pls.

1886. Simple Ascidians. *Jrn. R. Micr. Soc.* (2) VI, pp. 957–958.

1888. *Arch. Naturg.* LII, II, 3, pp. 219–220.

1888. *Zool Jahresb.* 1886, Tunicata, pp. 4–5.

1886. [*Rhopalæa neapolitana.*] *Compt. rend. Soc. Toulouse,* 1886, pp. xxvii–xxviii.

1886. Sur quelques variations individuelles de structure des organes chez les Ascidies simples. *Compt. rend. Acad. Sci.* CII, pp. 831–833.

1886. Individual variations in the structure of simple Ascidians. *Jrn. R. Micr. Soc.* (2) VI, p. 418.

1886. Sur quelques peculiarités histologiques du tube digestif des Ascidies simples, et notamment des Cynthies. *Compt. rend. Acad. Sci.* CII, pp. 1503–1506.

1886. Histology of digestive tract of simple Ascidians. *Jrn. R. Micr. Soc.* (2) VI, p. 778.

1891. *Arch. Naturg.* LIV, II, 3, pp. 2–3.

1887. Recherches histologiques sur les Mollusques Lamellibranches. *Jrn. Anat. Physiol.* (Robin) XXIII, pp. 31–86, pls. iv–viii. [p. 73.]

1894. Les formes des Animaux, . . . L'Embryologie comparée. 8°. Paris. [pp. 768–858, ff. 740–786.]

1899. *Arch. Naturg.* LX, II, 3, p. 15.

ROULE, *L.*

1896. Ascidies simples. (In) Résultats scientifiques de la Campagne du "Caudan" dans le Golfe de Gascoyne, Aout-Sept. 1895. *Ann. Univ. Lyon,* XXVI, pp. 355–358 (3 sps.).

1897. Tunicata of the 'Caudan' Expedition. *Jrn. R. Micr. Soc.* 1897, pp. 115–116.

1898. L'Anatomie comparée des Animaux basée sur l'Embryologie. 2 vols. 8°. Paris. [II, pp. 1314–1317 *passim,* 1326–1361, ff. 984–1005.]

(The pagination is continuous.)

1899. Les larves marins. *Bull. Soc. zool. France,* XXIV, pp. 117–135, 37 figs. [p. 130, 5 figs. (Ascidies).]

1900. Étude sur le développement embryonaire des Phoronidiens. *Ann. Sci. nat.* (8) Zool. XI, pp. 51–249, pls. ii–xvi. [pp. 61, 227–230 *passim,* 240, pl. xvi, ff. 99–106.]

1900. Remarques sur un travail récent de M. Masterman concernant le développement embryonaire des Phoronidiens. *Zool. Anzeig.* XXIII, pp. 425–427. [p. 427.]

1900. Sur les affinités zoologiques des Phoronidiens et des Némertines. *Compt. rend. Acad. Sci.* CXXX, pp. 927–930. [p. 927.]

1907. Considérations sur la faune marine du Port de Bonifacio. *Bull. Soc. zool. France,* XXXII, pp. 40–45. [pp. 43–44 (9 sps.).]

1908. Sur la formation de la Notocorde chez les larves urodèles des Tuniciers. *Compt. rend. Acad. Sci.* CXLVI, pp. 357–359. [*Ascidia mentula.*]

1908. Development of Notochord in larval Ascidians. *Jrn. R. Micr. Soc.* 1908, p. 573.

1909. Étude sur les formes premières de la Notocorde et sur les affinités naturelles des Cordés. *Arch. Zool. expér.* (4) X, pp. 447–546, pls. xii–xv, 10 text-figs. [pp. 448, 450–493, 501–543 *passim,* pls. xii–xiv (*Ascidia mentula*).]

Rousselet, *Charles Frédéric.*

1889. On *Perophora Listeri,* an Ascidian found at Totland Bay, Isle of Wight. *Jrn. Quekett Micr. Club,* (N. S.) III, pp. 331–336, pl. xxv.

Roux, *Wilhelm.*

1895. Ueber die Entwickelung isolirter erster Blastomeren. *Arch. Entwick. Org.* I, 4, pp. 596–618, 2 figs. [p. 596.]

Rufford, *Philip J.*

1905. Marine Zoology. (In) Victoria History of the County of Sussex. I, pp. 71–107. [pp. 106–107 (14 sps.).]

Rumphius, *Georgius Everhardus.*

1705. D'Amboinische Rariteitkamer, . . . Verdelt in drei Bocken. fol. Amsterdam. [I, cap. xxxix, p. 46 (*Tethya*).]

Russell, *Alexander.*

1763. An account of a remarkable Marine Production *Phil. Trans. Roy. Soc.* LII, 2, pp. 554–557, pl. xvii. [*Priapus peduncula* (a *Boltenia*).]

Ruthe, *Johann Friedrich.*

1843. Zoologie. *See* Wiegmann, A. F. A., & J. F. Ruthe.

1853. Zoologie. *See* Troschell, F. H., & J. F. Ruthe.

Ryckholt, *P. de.*

1862. Description de deux Tuniciers carbonifères et d'un nouveau genre de la famille des Chitonidæ. *Jrn. Conchyl.* (3) II, pp. 255–260, pl. xii, ff. 12–14 [pp. 255–259, pl. xii, ff. 12, 13].

S.

Sabatier, *Armand.*

1883. De l'ovogénèse chez les Ascidiens. *Compt. rend. Acad. Sci.* XCVI, pp. 799–800. (And) *Jrn. Microgr.* VII, pp. 217–218.

1883. Development of ova in Ascidians. *Jrn. R. Micr. Soc.* (2) III, p. 356.

1887. *Arch. Naturg.* LI, II, 3, p. 121.

1883. Sur les cellules du follicule de l'œuf et sur la nature de la sexualité. *Compt. rend. Acad. Sci.* XCVI, pp. 1084–1086.

1884. *Zool. Jahresb.* 1883, IV, pp. 6–7. [Above memoirs.]

1887. *Arch. Naturg.* LI, II, 3, p. 122.

1883. Recherches sur l'œuf des Ascidiens. *Rev. Sci. nat. Montpell.* (3) II, pp. 348–405, pls. vii–ix.

1883. Ova of Ascidians. *Jrn. R. Micr. Soc.* (2) III, pp. 497–498.

1884. D'une altération spéciale des œufs de quelques Ascidiens. *Rev. Sci. nat. Montpell.* (3) III, pp. 587–596, pl. xv.

1885. *Zool. Jahresb.* 1884, IV, p. 4.

1884. Sur les cellules du follicule et les cellules granuleuses chez les Tuniciers. *Rec. zool. Suisse,* I, 3, pp. 423–458, pls. xxii, xxiii. (And) *Rev. Sci. nat. Montpell.* (3) IV, pp. 106–140, 2 pls.

1885. Follicular and granular cells of Tunicates. *Jrn. R. Micr. Soc.* (2) V, pp. 44–45.

Sabatier, *A.*

1885. Sur les œufs des Ascidiens. *Mém. Acad. Sci. Montpell.* X, pp. 429–480, 4 pls.

1885. Eggs of Ascidians. *Jrn. R. Micr. Soc.* (2) V, p. 987.

1898. Station zoologique de Cette. *Rev. internat. Enseignm.* XXXV, pp. 106–112, 1 fig. [p. 112 (Didemnides).]

Sabine, *Sir Edward.*

1824. Marine Invertebrate Animals. (In) Supplement to the Appendix of Captain Parry's Voyage for the discovery of a north-west passage in the years 1819–20, pp. ccxix–ccxxxix, pls. i, ii. 4°. London. [p. ccxxiv (*Ascidia globifera*).]

Sahlertz, *J. E. A.*

1872. Förer i Kjöbenhavns Aquarium. xvi + 86 pp. 8°. Kjöbenhavn. [pp. 64–65.]

St. Golski, —.

1899. [Maturation and Fertilization in *Ciona intestinalis.*] (In Russian.) *Anzeig. Akad. Wiss. Krakau,* 1899, pp. 124–130.

1899. *Zool. Centralbl.* VI, pp. 945–946.

1900. [Title as above.] *Jrn. R. Micr. Soc.* 1900, p. 188.

Saint-Hilaire, *K.*

1900. [Report upon a foreign expedition.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXIX, 4, pp. 159–175. [p. 169.]

1903. Untersuchungen über den Stoffwechsel in der Zelle und in den Gebewen. *Trav. Soc. Nat. St. Pétersb.* XXXIII, 2, pp. 139–310; 356–363 (in Russian); 311–355, 364–370 (resumé in German); 5 pls. [pp. 220–221, 336–337.]

1905. *Arch. Naturg.* LXIV, II, 3. p. 119.

Salensky, *Wladimir.*

1876. Ueber die embryonale Entwickelungsgeschichte der Salpen. *Zeitschr. wiss. Zool.* XXVII, pp. 179–237, pls. xiv–xvi.

1877. Ueber die Anlage der Organe bei den Salpen im Keimstocke und über die weitere Entwickelung dieser Organe. *Zeitschr. wiss. Zool.* XXVIII, pp. 396–399.

1877. Ueber die Knospung der Salpen. *Morphol. Jahrb.* III, 3, pp. 549–602, pls. xxviii–xxx.

1879. *Zool. Record,* XIV, Moll. pp. 90–91.

1878. Ueber die Entwicklung der Hoden und über den Generationswechsel der Salpen. *Zeitschr. wiss. Zool.* XXX, Suppl. pp. 275–293, pl. xiii.

1879. Development of the Salpidæ. *Jrn. R. Micr. Soc.* II, pp. 551–553.

Salensky, *W.*

1881. Neue Untersuchungen über die embryonale Entwickelung der Salpen. *Zool. Anzeig.* IV, pp. 597–603, 613–619.

1882. Development of *Salpa*. *Jrn. R. Micr. Soc.* (2) II, pp. 32–33.

1882. Nouvelle recherches sur le développement embryonaire des Salpes. *Arch. Zool. expér.* X, pp. xx–xxiv.

1882. *Zool. Jahresb.* 1881, III, p. 1.

1882. Neue Untersuchungen über die embryonale Entwickelung der Salpen. 1. *Mitth. zool. Stat. Neapel,* IV, 1, pp. 90–171, pls. vi–xvii.

1883. Embryonic development of Salpidæ. *Jrn. R. Micr. Soc.* (2) III, pp. 356–358.

1883. Neue Untersuchungen über die embryonale Entwicklung der Salpen. 2. *Mitth. zool. Stat. Neapel,* IV, 3, pp. 327–402, pls. xxii–xxvii, 5 text-figs.

1884. Development of *Salpa*. *Jrn. R. Micr. Soc.* (2) IV, pp. 368–369.

1884. *Zool. Jahresb.* 1883, IV, pp. 8–13.

1885. 'Folliculäre Knospung' der Salpen und die 'Polyembryonie' der Pflanzen. *Biol. Centralbl.* V, pp. 6–8.

1890. Beiträge zur Embryonalentwicklung der Pyrosomen. *Zool. Jahrb.,* Anat. IV, 3, pp. 424–477, pls. xxvi–xxviii, 3 text-figs.

1891. Embryonic development of *Pyrosoma*. *Jrn. R. Micr. Soc.* 1891, pp. 178–179.

1892. *Zool. Jahresb.* 1890, Tunicata, pp. 4–6.

1890. Zur Entwicklungsgeschichte der *Pyrosoma*. *Biol. Centralbl.* X, pp. 225–233.

1890. On the Development of *Pyrosoma*. (Transl.) *Ann. Nat. Hist.* (6) VI, pp. 236–244.

1891. Beiträge zur Embryonalentwicklung der Pyrosomen. *Zool. Jahrb.,* Anat. V, 1, pp. 1–98, pls. i–viii, 7 text-figs.

1892. Embryology of Pyrosomidæ. *Jrn. R. Micr. Soc.* 1892, pp. 27–28.

1893. *Zool. Jahresb.* 1891, Tunicata, pp. 2–3, 8–11.

1895. *Arch. Naturg.* LVIII, II, 3, pp. 6–8.

1892. Ueber die Thätigkeit der Kalymmocysten (Testazellen) bei der Entwicklung einiger Synascidien. (In) Festschrift zu siebenzigsten Rudolf Leuckart, pp. 109–120, pls. xiv, xv. fol. Leipzig.

1893. *Zool. Jahresb.* 1892, Tunicata, pp. 3–4.

1893. Morphologische Studien an Tunicaten. I. Ueber das Nervensystem der Larven und Embryonen von *Distaplia magnilarva*. *Morphol. Jahrb.* XX, 1, pp. 48–74, pls. iv, v.

1894. Nervous system in embryo of *Distaplia*. *Jrn. R. Micr. Soc.* 1894, pp. 465–466.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 5, 13–14.

Salensky, W.

1893. Morphologische Studien an Tunicaten. II. Ueber die Metamorphose der *Distaplia magnilarva*. *Morphol. Jahrb.* XX, 4, pp. 449–542, pls. xvi–xx, 1 text-fig. (p. 514).

1894. Metamorphosis of *Distaplia magnilarva*. *Jrn. R. Micr. Soc.* 1894, pp. 330–331.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 6, 14–16.

1893. Ueber die Entstehung der Metagenesis bei Tunicaten. *Biol. Centralbl.* XIII, pp. 126–146.

1894. Origin of Metagenesis in Tunicata. *Jrn. R. Micr. Soc.* 1894, pp. 464–465.

1894. *Zool. Jahresb.* 1893, Tunicata, p. 5.

1894. Beiträge zur Entwickelungsgeschichte der Synascidien. 1. Ueber die Entwickelung von *Diplosoma Listeri*. *Mitth. zool. Stat. Neapel*, XI, 3, pp. 368–374, pls. xvii–xx, 1 text-fig.

1895. Development of *Diplosoma Listeri*. *Jrn. R. Micr. Soc.* 1895, p. 164.

1895. *Zool. Jahresb.* 1894, Tunicata, pp. 4–8.

1895. Beiträge zur Entwickelungsgeschichte der Synascidien. 2. Ueber die Entwickelung von *Didemnum niveum*. 3. Allgemeiner Theil. *Mitth. zool. Stat. Neapel*, XI, 4, pp. 488–630, pls. xxi–xxiv, 4 text-figs.

1896. Development of Synascidiæ. *Jrn. R. Micr. Soc.* 1896, pp. 50–52.

1896. *Zool. Jahresb.* 1895, Tunicata, pp. 2–5, 8–9.

1899. *Arch. Naturg.* LX, II, 3, pp. 28–31.

1899. Heteroblastie. *Proc. Internat. Congr. Zool.* IV (Cambridge), pp. 111–118. [Chiefly Tunicata.]

1901. *Arch. Naturg.* LXI, II, 3, pp. 146–147.

1903. Études anatomiques sur les Appendiculaires. I. *Oikopleura vanhœffeni* Lohmann. *Mém. Acad. Sci. St. Pétersb.* (8) XIII, 7, 44 pp., pls. i–v, 3 text-figs.

1904. *Zool. Centralbl.* X, pp. 864–865.

1904. *Zool. Jahresb.* 1903, Tunicata, pp. 2–3, 4.

1904. Études anatomiques sur les Appendiculaires. (Suite.) II. *Oikopleura rufescens* Fol. III. *Fritillaria pellucida* Busch. IV. *Fritillaria borealis* Lohmann. *Mém. Acad. Sci. St. Pétersb.* (8) XV, 1, 106 pp., pls. vi–xvii, 4 text-figs.

1905. *Zool. Jahresb.* 1904, Tunicata, pp. 3–5.

1906. Structure of *Appendicularia*. *Jrn. R. Micr. Soc.* 1906, p. 17.

1907. *Arch. Naturg.* LXVII, II, 3, p. 578.

1905. Zur Morphologie der Cardialorgane der Appendicularien. *Compt. rend. internat. Congr. Zool.* VI (Berne), pp. 381–383.

1906. *Zool. Jahresb.* 1905, Tunicata, p. 3.

1908. *Arch. Naturg.* XLIX, II, 3, p. 9.

Samassa, *Paul.*

1894. Zur Kentniss der Furchung bei den Ascidien. *Arch. mikr. Anat.* XLIV (1895), 1, pp. 1–15, pls. i, ii.

1895. Cleavage of Ascidian Ova. *Jrn. R. Micr. Soc.* 1895, pp. 42–43.

1895. *Zool. Jahresb.* 1894, Tunicata, pp. 4–5.

1898. Bemerkungen über die Methode der vegleichenden Entwicklungeschichte. *Biol. Centralbl.* XVIII, pp. 642–649, 657–668. [p. 667 (*Polyclinum* and *Botryllus*).]

1898. Studien über den Einfluss des Dotters auf die Gastrulation und die Bildung der primären Keimblätter der Wirbelthiere. IV. *Amphioxus*. *Arch. Entwick. Org.* VII, 1, pp. 1–33, pls. i–iii, 8 text-figs. [pp. 12–13, 18–21 (*Ciona*).]

Sanders, *Alfred.*

1874. Contributions towards a knowledge of the Appendicularia. *Monthly Micr. Jrn.* XI, pp. 141–149, 1 pl.; XII (Supplementary remarks), pp. 209–217, 1 pl.

Sanson, *A.*

1829–38. Traité d'Anatomie comparée. *See* Meckel, J. F.

Sars, *George Ossian.*

1869. Undersögelser over Christianiafjordens Dybvandsfauna. *Nyt Mag. Naturvid*, XVI, pp. 305–362. [pp. 310, 316, 319.]

1900. Crustacea. (In) The Norwegian North Polar Expedition 1893–1896. Scientific Results, I, v, 141 pp., 36 pls. 4°. Christiania. [p. 8 (*Appendicularia*).]

Sars, *Michael.*

1829. Bidrag til Söedyrenes Naturhistorie. Forste Hæfte. 160 pp., 6 pls. 8°. Bergen. [pp. 51–59, pl. vi (*Biphora depressa* and *tricuspidata*).]

1833. Beitrag zur Naturgeschichte der Seethiere. *Isis*, 1833, cols. 221–233, pl. x. [cols. 231–232, pl. x, ff. 8, 9.]

1835. Beskrivelser og Iagttagelser over nogle mœrkelige eller nye i Havet ved den Bergenske Kyst levende Dyr . . . 4°. Bergen. [pp. 69–71, pl. xii, f. 34 *a–i* (*Botryllus*).]

1837. Ueber die Gattung *Botryllus* Gaertn. *Neue Notizen*, III, cols. 100–103, pl., f. 3 *a–i*.

1837. Sur quelques espèces d'Animaux invertébrés de la côte de Norwége. *Compt. rend. Acad. Sci.* V, pp. 97–99 [p. 99.]

1846. Fauna littoralis Norvegiæ . . . Heft I. fol. Christiania. [p. 8 (*Ascidia mentula*); pp. 63–85, pls. vii, viii, ff. 44–46, ix, x, ff. 1–11 (*Salpæ*).]

1847. *Arch. Naturg.* XIII, II, pp. 405–406.

Sars, *M.*

1851. Beretning om en i Sommeren 1849 foretagen zoologisk Reise i Lofoten og Finmarken. *Nyt Mag. Naturvid.* VI, pp. 121–211. [pp. 153–157 (23 sps.)]

1853. Bermerkunger over det Adriatiske Havs Fauna sammenlignet Med Nordhavets. *Nyt Mag. Naturvid.* VI, pp. 367–397. [pp. 375–389 *passim.*]

1859. Bidrag til en Skildring af den arctiske Mollusk-fauna ved Norges nordlige Kyst. *Forh. Vid.-Selsk. Christ.* 1858, pp. 34–87. [pp. 64–66.]

1862. Beskrivelse med Afbildninger af fire nye parasitiske Copepoder. *Forh. Vid.-Selsk. Christ.* 1861, pp. 134–141. [p. 134.]

1863. Geologiske og zoologiske Iagttagelser, anstillede paa en Reise i en Deel af Trondhjem Stift i Sommeren 1862. *Nyt Mag. Naturvid.* XII, pp. 253–340. [pp. 278–282 (*Cynthia glacialis*).]

1864. Bemærkninger over det dyriske Livs Udbredning i Havets Dybder. *Forh. Vid.-Selsk. Christ.* 1864, pp. 53–68. [p. 56 (*Ascidia Lovenii*).]

1866. Om arktiske Dyreformer i Christianiafjorden. *Forh. Vid.-Selsk. Christ.* 1865, pp. 196–200. [p. 198 (2 sps.).]

1869. Forsatte Bemærkninger over det dyriske Livs Udbredning i Havets Dybder. *Forh. Vid.-Selsk. Christ.* 1868, pp. 246–275. [pp. 255, 263 (4 sps.).]

1870. Bidrag til Kundskab om Christianiafjordens Fauna. II. *Nyt Mag. Naturvid.* XVII, pp. 113–226, pls. viii–xiii. [pp. 214–216 (5 sps.).]

Sars, *M., & G. O.* **Sars.**

1870. Bidrag til Kundskab om Christianiafjordens Fauna. V. 8°. Christiania. 3 parts, 1868–73. [2, pp. 102–104.]

Saunders, *Gilbert.*

1901. Glimpses of beauty in the structure of Marine Organisms. *Trans. E. Kent Sci. Soc.* (2) I, pp. 23–25. [pp. 23–24.]

Savigny, *Marié Jules César Lelorgne de.*

1816. Mémoires sur les Animaux sans Vertèbres. 2 parts. 8°. Paris. II, 1–3. Recherches anatomiques sur les Ascidies composées et sur les Ascidies simples. vi + 260 pp., 24 pls.

(Issued before the same memoirs in Description de l'Égypte.)

1818–20. *Isis*, 1818, pp. 1020–1025; 1820, II, Litt. Anz. cols. 659–668, 702–720, 783–804, 850–882, 952–964, pls. xi–xxi.

Savigny, *M. J. C. L. de.*

1816. Histoire Naturelle, I, ii. (In) Description de l'Égypte, . . . fol. Paris (dated 1809). [Tablean systématique des Ascidies, tant simples que composées, pp. 1–8. Mém. 1. Observations sur les Alcyons gélatineux a six tentacles simples, pp. 9–18. Mém. 2. Observations sur les Alcyons à deux oscules apparens, sur les Botrylles, et sur les Pyrosomes, pp. 19–35. Mém. 3. Observations sur les Ascidies proprement dites, suivies de considérations générales sur la classe des Ascidies, pp. 36–55. Tables der matières de la deuxième partie, pp. 57–58.]

1817. Histoire naturelle. Planches, 2 vols. (In) Description de l'Égypte, . . . fol. Paris. [II, Zoologie, Ascidies, pl. i.]

1826. Explication des planches d'Ascidies de l'Égypte. *See* Audouin, J. V.

1827. Histoire naturelle, Zoologie. (In) Description de l'Égypte . . . ed. 2. 24 vols. 8°. Paris, 1821–29. [XXII, Tabl. syst. pp. 1–13; Mém. 1, pp. 14–33; Mém. 2, pp. 34–68; Mém. 3, pp. 69–108.]

Schacht, *Hermann.*

1851. Mikroscopisch-chemische Untersuchung des Mantels einiger Ascidien. *Arch. Anat. Physiol.* 1851, pp. 176–201, pls. iv–vi.

1853. On the microscopical and chemical examination of the mantle of certain Ascidians. (Transl.) *Qrt. Jrn. Micr. Sci.* I, pp. 34–39, 106–111.

Schaffer, *Josef.*

1897. Ueber das knorpelige Skelett von *Ammocœtes branchialis* nebst Bemerkungen über das Knorpelegewebe im Allgemeinen. *Zeitschr. wiss. Zool.* LXI, pp. 606–659, pls. xvii–xxix. [p. 643.]

1910. Ueber das Verhältnis des Chordagewebes zum Knorpelgewebe. *Anat. Anzeig.* XXXVII, pp. 233–239. [p. 236.]

Schalck, *Henricus Fredericus.*

1814. De Ascidiarum structura. Dissertatione inangurale. 10 pp., 1 pl., 4 text-figs. 4°. Halæ.

Schapiro, *J.*

1903. Ueber den zwischen Hermaphroditismus und Differenzierung, sowie über einige, dieses Thema berührende Fragen. *Biol. Centralbl.* XXIII, pp. 370–387. [pp. 375–377.]

Scharff, *Robert Francis.*

1888. Review of Dohrn's Theories on the Origin of Vertebrates. *Sci. Proc. Roy. Dublin Soc.* (N.S.) VI, pp. 14–38, 8 figs. [p. 31.]

1907. Further Researches in Irish Marine Zoology. *Irish Naturalist,* XVI, pp. 218–221. [pp. 220–221.]

1910. Advances in Irish Marine Zoology. (Third Report.) *Irish Naturalist,* XIX, pp. 74–78. [pp. 76–77.]

Schaudinn, *Fritz Richard.*

1900. Fauna Arctica. *See* ROEMER, F., & F. SCHAUDINN.

Schaudinn, *F. R., & Fritz* **Roemer.**

1899. Vorläufig Bericht über zoologische Untersuchungen im nördlichen Eismeer im Jahre 1898. *Verh. Ges. Hamburg,* IX, pp. 227–247.

Schaxel, *Julius.*

1910. Die Morphologie das Eiwachsthums und der Follikelbildungen bei den Ascidien. Ein Beitrag zur Frage der Chromidien bei Metazoen. *Arch. Zellforsch.* IV, pp. 265–308, pls. xix–xxi, 1 text-fig.

Schimkewitsch, *Wladimir.*

1890. Ueber die morphologische Bedeutung der Organsysteme der Enteropneusten. *Anat. Anzeig.* V, pp. 29–32. [p. 31.]

1891. Versuch einer Klassification des Tierreichs. *Biol. Centralbl.* XI, pp. 291–295. [pp. 293–295.]

1892. [On the relations between the Enteropneusta and the Acrania.] (In Russian with resumé in French.) *Rev. Sci. nat. St. Pétersb.* 1892, pp. 92–103, 3 figs.

1893. Sur les relations génétiques de Métazoaires. *Congr. internat. Zool.* II (Moscou), 2, pp. 215–240, 6 figs. [pp. 222–224.]

1907. [On the relation between the Bilateria and the Radiata.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXXVI, 4, pp. 115–170, 10 figs. [pp. 160, 164.]

Schimkewitsch, *W., & J.* **Wagner.**

1899. [Historical account of the zoological and zootomical Collection of St. Petersburg University.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* XXVIII, 4, pp. 31–54. [pp. 40, 42.]

Schinz, *Heinrich Rudolf.*

1822. Das Thierreich. *See* CUVIER, G. L. C. F. D.

Schinz, *H. R.*

1825. Das Thierreich . . . von . . . Cuvier. 4 vols. 8°. Stuttgart & Tubingen, 1822–25. [IV, p. 59 (by Schinz).]

Schively, *M. A.*

1894. Ueber die Abhängigkeit der Herzthätigkeit einiger Seethiere von der Concentration des Seewassers. *Arch. ges. Physiol.* LV, pp. 307–318. [pp. 307–313, 315.]

Schlater, *Gustav.*

1891. Umriss der Hydrofauna und Verzeichniss der Medusen des Uferlandes der Solowietzkischen Inseln. *Rev. Sci. nat. St. Pétersb.* 1891, pp. 334–342. [p. 338 (*Cynthia Nordenskjöldii*).]

1900. Monoblasta-Polyblasta-Polycellularia. Phylogenitische Studie. *Biol. Centralbl.* XX, pp. 508–525, 544–556. [p. 523.]

Schlegel, *Hermann.*

1858. Handleiding tot de Beoefening der Dierkunde. 2 vols. 8°; Atlas, fol. 1857–58. [II, pp. 446–453; Atlas, Weekdieren, pl. iv, ff. 15–21.]

Schleiden, *Matthias Jacob.*

1888. Das Meer. Ed. 3. Bearbeitet von Ernst Voges. 8°. Braunschweig. [pp. 147, 236, 363, 364, 517–519; pl. opp. p. 242, ff. 7, 8; pl. opp. p. 362, ff. 7, 7a; text-ff. 194–197.]
(Ed. 1, 1865-66.)

Schlosser, *Johann Albert, & John* **Ellis.**

1757. An account of a curious, fleshy, coral-like substance. *Phil. Trans. Roy. Soc.* XLIX, 2, pp. 449–452, pl. xiv. [*Alcyonium Schlosseri.*]

Schmarda, *Ludwig Karl.*

1853. Die geograpische Verbreitung der Thiere. 8°. Wien. [pp. 174, 183, 519–617 *passim*, 649, 680–681, 745.]

1853. Grundzüge der Zoologie. I. [pp. 72–75, f. 65 (*Clavelina*).]

1872. Zoologie. 2 vols. 8°. Wien, 1871–72. [II, pp. 186–194, ff. 416–424.]
(Ed. 2, 1878.)

Schmeltz, *Johannes Dietrich Eduard.*

1866–79. Museum Godeffroy. 7 vols. (Catalogues.) 8°. Hamburg, 1866–79. [III (1866), pp. 42–43; IV (1869), pp. 117–118; V (1874), pp. 181–182; VI (1877), p. 98; VII (1879), pp. 89–90.]

Schmidt, *Carl.*

1845. Zur vergleichenden Physiologie der wirbellosen Thiere. *Ann. Chem. Pharm.* LIV, pp. 284–330. [pp. 318–320.]

1845. *Jrn. Pharm. Chem.* (3) VIII, pp. 477–478. [p. 478.]

1852. Contribntions to the comparative physiology of the Invertebrate Animals, . . . Transl. by J. W. Griffith. *Sci. Mem., Nat. Hist.* V, pp. 1–43. [pp. 33–35.]

Schmidt, *Eduard Oscar.*

1854. Hand-Atlas der vergleichenden Anatomie . . . 18 pp., 12 pls. fol. Jena. [p. 6, pl. ii, f. 9 (*Ascidia intestinalis*).]

1854. Lehrbuch der Zoologie. 8°. Wien. [pp. 283–291.]

1855. Handbuch der vergleichenden Anatomie. 8°. Jena. [pp. 40, 83, 156, 237–238, 277, 329, 372–373.]

(Ed. 8, 1878.)

1860. Leitfaden der Zoologie. 8°. Wien. [pp. 180–182, ff. 177–178.]

1873. Descendenzlehre und Darwinismns. (*Internat. wiss. Bibl.* II.) 8°. Leipzig. [pp. 32–33, 202, 232, 234–236, ff. 23, 24.]

1873. The Doctrine of Descent and Darwinism. (Transl.) (*Internat. Sci. Ser.* XII.) 8°. London. [pp. 36, 219, 250 (Testacea *male pro* Tunicata), 252–255, ff. 23, 24.]

(*Ibid.* ed. 8, 1891.)

1876. Descendance et Darwinisme. (Transl.) Ed. 2. 8°. Paris. [pp. 29, 193, 223, 224–227, ff. 21–23.]

1878. Die niederen Thiere. (In) Brehms Thierleben. Wirbellosen Thiere, II. Ed. 2. 8°. Leipzig. [pp. 410–419, 8 figs.]

Schmidt, *Hermann Rudolph.*

1840. Grundriss der Naturgeschichte. Abth. I. Anthropologie nnd Zoologie. 8°. Danzig. [p. 157.]

Schmidtlein, *Richard.*

1878. Vergleichende Uebersicht über das Erscheinen grösserer pelagischer Thiere während der Jahre 1875–77. *Mitth. zool. Stat. Neapel,* I, 1, pp. 119–123. [p. 123.]

1878. Beobachtungen über Trächtigkeits- und Eiablage-Perioden verschiedener Seethiere. Januar 1875-Juli 1878. *Mitth. zool. Stat. Neapel,* I, 1, pp. 124–136. [p. 132 (5 sps.).]

1880. Leitfaden für die Aquarien. *See* Dohrn, F. A., & R. Schmidtlein.

Schmidtlein, *R.*

1880. Vergleichende Uebersicht über das Erscheinen grösserer pelagischer Thiere und Bemerkungen über Fortpflanzungsverhältnisse einiger Seethiere im Aquarium. *Mitth. zool. Stat. Neapel,* II, 2, pp. 162–175. [pp. 164, 167, 168.]

1881. Marine Organisms in Captivity. *Jrn. R. Micr. Soc.* (2) I, 1, pp. 20–21. Pelagic Animals. p. 22. [pp. 21, 22.]

Schmitt, *Joseph.*

1904. Monographie de l'Ile d'Anticosti. 8°. Paris. [pp. 126, 281 (*Boltenia bolteni*).]

Schneider, *Albert.*

1897. The Phenomena of Symbiosis. Minnesota Botanical Studies, I, pp. 923–948. *Minnesota Geol. Surv. Bull.* IX, Bot. Ser. II. [p. 928.]

1902. Lehrbuch der vergleichenden Histologie der Thiere. 8°. Jena. [p. 240 *et passim.*]

1904. Die Entstehung der Gliederung des Tierkörpers. *Naturw. Wochenschr.* XIX, pp. 545–551, 561–566. [pp. 546, 549.]

Schneider, *Johann Gottlob.*

1784. C. Æliani . . . de Animalium naturæ libri XVII . . . grece et latine cum priorum interpretatum et suis animadversionibus editit J. G. S. 8°. Lipsiæ. [I, p. 435; II, p. 179 (*Pulmo marinus*).]

1811. Aristotelis de Animalibus Historiæ lib. X. Græce et Latine. Textum recensuit J. C. Scaliger . . . commentarium adjecit J. G. S. 4 vols. 8°. Lipsiæ. [Latin, II, pp. 140, 148–149, 161, 198, 320; Annot. III, pp. 221–224.]

Schneider, *Robert.*

1895. Die neuesten Beobachtungen über natürliche Eisenresorption in thierischen Zellkernen . . . *Mitth. zool. Stat. Neapel,* XII, 1, pp. 208–216, pl. viii. [pp. 211–212, 213, pl. viii, ff. 1–5.]

Schoedler, *Friedrich Carl Ludwig.*

1847. Das Buch der Natur, . . . Ed. 2. 8°. Braunschweig. [p. 465.]

1851. The Book of Nature, . . . Transl. by H. Medlock. 8°. London. [pp. 535–536.]

1854. Elements of Zoology. Ed. 2 (of the Book of Nature). Transl. by H. Medlock. 8°. London & Glasgow. [p. 578.]

1897. Das Buch der Natur. Ed. 23. 1 Thiel, von O. Thomé. 8°. Braunschweig. [pp. 346–347, f. 500.]

Schubert, *Gottlieb Heinrich von.*

1820. Handbuch der Naturgeschichte. *See* Goldfuss, G. A. (In Add.)

1846. Lehrbuch der Naturgeschichte, . . . 8°. Erlangen. [p. 320.]

Schuetze, *R.*

1890. Ueber Thier-cellulose. *Mitth. pharm. Inst. Erlangen,* II, pp. 280–281. [*Phallusia mamillaris.*]

Schulgin, *M. A.*

1884. Embryongénie de l'*Amaræcium proliferum*. *See* Maurice, C., & *M. A.* Schulgin.

Schultz, *Eugen.*

1902. Ueber das Verhältniss der Regeneration zur Embryonalentwickelung und Knospung. (Kongr. russ. Naturf. Aertze.) *Biol. Centralbl.* XXII, pp. 360–368.

1907. Ueber Reductionen. III. Die Reduktion und Regeneration des abgeschnittenen Kiemenkorbes von *Clavellina lepadiformis*. *Arch. Entwick. Org.* XXIV, pp. 503–523, pl. xviii.

1908. *Zool. Jahresb.* 1907. Tunicata, pp. 3–4.

Schultze, *Fritz.*

1892–97. Vergleichende Seelenkunde. Vol. I, 2 Abth. [I (1892), pp. 47–48, 57; II (1897), pp. 56–57.]

Schultze, *Leonhard Sigismund.*

1899. Die Regeneration des Ganglions von *Ciona intestinalis* L. und über das Verhältnis der Regeneration und Knospung zur Keimblätterlehre. *Jena. Zeitschr. Naturw.* XXXIII, 2, pp. 263–344, pls. xii, xiii. (And sep.) 86 pp., 2 pls. 8°. Jena.

1899. Regeneration and the germ-layer theory. *Jrn. R. Micr. Soc.* 1899. pp. 587–588.

1900. *Zool. Jahresb.* 1899, Tunicata. p. 5.

1901. Untersuchungen über den Herzschlag der Salpen. *Jena. Zeitschr. Naturw.* XXXV, pp. 221–328, pls. ix–xi, 5 text-figs.; Note, p. 346.

1901. Heart-beats in *Salpa*. *Amer. Naturalist,* XXXV, pp. 405–406.

1902. *Zool. Jahresb.* 1901, Tunicata, pp. 4–5.

1903. Recherches sur les pulsations du cœur chez les Salpes. *Année biol.* VI, pp. 274–275.

1904. *Arch. Naturg.* LXIII, II. 3. pp. 174–176.

Schulz, *Johann Heinrich.*

1836. Lehrbuch der Zoologie. 8°. Berlin. [pp. 522–523.]

Schulze, *Franz Eilhard.*

1862. Ueber die Structur des Tunicatenmantels und sein Verhalten im polarisirten Lichte. *Zeitschr. wiss. Zool.* XII (1863), 2, pp. 175–188, pls. xvii, xviii.

1877. Untersuchungen über den Bau und die Entwicklung der Spongien. III. *Zeitschr. wiss. Zool.* XXIX, 1, pp. 87–122, pls. viii, ix. [p. 120.]

Schwalbe, *G.*

1869. Ueber den feineren Bau der Muskelfasern wirbelloser Thiere. *Arch. mikr. Anat.* V, pp. 205–259, pl. xv, 2. [pp. 228–229.]

Schweigger, *August Friedrich.*

1819. Beobachtungen auf naturhistorischen Reisen. 4°. Berlin. [pp. 55–56, table vii.]

1820. Handbuch der Naturgeschichte der skelettlosen ungegliederten Thiere. 8°. Leipzig. [pp. 188–189, 613–615, 655–656, 686, 691–697.]

Sclater, *Philip Lutley.*

1896. Census specierum Animalium viventium. *Zoologist* (3) XX, pp. 295–296. [p. 296 (about 900 Tunicata).]

Scopoli, *Johannes Anton.*

1777. Introductio ad Historiam naturalem, sistens genera Lapidum, Plantarum, et Animalium. 8°. Pragæ. [p. 384.]

Scoresby, *William, jun.*

1820. An account of the Arctic Regions. 2 vols. 8°. Edinburgh. [I, p. 543 (*Ascidia gelatinosa* and *rustica*).]

Scott, *Andrew.*

1905. On the tow-nettings collected in the Irish Sea. *Trans. Liverp. Biol. Soc.* XIX, pp. 196–215, ff. 1, 2. [pp. 199–207 *passim.*] (And) *Rep. Lanc. Sea-fish Lab.* XIII, pp. 16–35, 2 figs. [pp. 19–27 *passim.*]

1905. On the tow-nettings collected in Luce Bay. *Trans. Liverp. Biol. Soc.* XIX, pp. 225–277. [p. 227 (*Oikopleura*).] (And) *Rep. Lanc. Sea-fish Lab.* XIII, pp. 45–97. [p. 47.]

1906. Report on the tow-nettings [1905]. *Trans. Liverp. Biol. Soc.* XX, pp. 164–190. [pp. 166–170, 180–190, *passim* (*Oikopleura* and Ascidian eggs).] (And) *Rep. Lanc. Sea-fish Lab.* 14, pp. 20–46. [pp. 22–26, 36–46, *passim.*]

1907. Report on the tow-nettings [1906]. *Trans. Liverp. Biol. Soc.* XXI, pp. 137–190, folding table. [pp. 143–187 *passim,* and table.] (And) *Rep. Lanc. Sea-fish Lab.* XV, pp. 37–90. [pp. 43–87 *passim.*]

Scott, A.

1907. Notes on special Plankton Investigations. *Trans. Liverp. Biol. Soc.* XXI, pp. 46–54, ff. ix–xi. [pp. 47, 48.]

1908. Monthly investigation of the Plankton by the Hensen net method. *Trans. Liverp. Biol. Soc.* XXII, pp. 105–135, pls. i, ii (charts). [pp. 109–113.]

1908–10. Marine Plankton of the Isle of Man. *See* Herdman, W. A., & A. Scott (1908), & J. Dakin (1910).

Scott, *Thomas.*

1892. On some new or rare Crustacea from the Firth of Forth. *Ann. Nat. Hist.* (6) X, pp. 201–206, pls. xv, xvi. [pp. 204–205 (Parasitism).]

1894. On the occurrence of *Salpæ* in the Moray Firth. *Ann. Scott. Nat. Hist.* 1894, p. 183. [*Salpa runcinata-fusiformis.*]

1896. Report on a collection of Marine dredgings and other natural history materials made on the West Coast of Scotland by the late George Brook. *Proc. Roy. Phys. Soc. Edinb.* XIII (1897), pp. 166–193, pl. v. [pp. 168, 170, 181 (4 sps.).]

1897. The Marine Fishes and Invertebrates of Loch Fyne. *Rep. Fish. Board Scotl.* XV, III, pp. 107–174, pls. i–iii. [pp. 113–114 (9 sps.).]

1899. *Arch. Naturg.* LX, II, 3, p. 52. [List of sps.]

1902. Observations on the Food of Fishes. *Rep. Fish. Board Scotl.* XX, III, pp. 486–538. [pp. 510, 513, 516, 530, 531, 532 (*Oikopleura*).]

1907. Observations on some Copepoda that live as messmates or commensals with Ascidians. *Trans. Edinb. Field Nat. Soc.* V, pp. 357–372.

1907. Some additional notes on Copepoda from the Scottish Seas. *Rep. Fish. Board Scotl.* XXV, III, pp. 209–220, pls. xiii–xv. [p. 215 (Commensalism).]

Scott, *T., & A.* **Scott.**

1895. On some new and rare British Copepoda. *Ann. Nat. Hist.* (6) XVI, pp. 353–362, pls. xv–xvii. [pp. 359–360 (Parasitism).]

Scudder, *Samuel H.*

1882. Nomenclatur Zoologicus. 8°. Washington. [*passim.*]

Sedgwick, *Adam.*

1884–85. Text-book of Zoology. *See* Claus, C. F. W.

1909. A Student's Text-book of Zoology. 3 vols. 8°. London, 1898–1909. [III, pp. 1–65, ff. 1–55.]

Seeliger, *Oswald.*

1882. Zur Entwicklungsgeschichte der Ascidien. Einbildung und Knospung von *Clavelina lepadiformis*. *Sitzber. Akad. Wiss. Wien*, LXXXV, 1, pp. 361–413, 3 pls.

1883. *Zool. Jahresb.* 1882, III, pp. 4–6.
1883. *Zool. Record*, XIX, Moll., p. 101.
1887. *Arch. Naturg.* LI, II, 3, pp. 123–124.

1884–85. Die Entwicklungsgeschichte der socialen Ascidien. *Jena. Zeitschr. Naturw.* XVIII, pp. 45–120, 528–596, pls. i–viii.

1884–85. Development of social Ascidians. *Jrn. R. Micr. Soc.* (2) IV, pp. 875–878; V, pp. 627–629.

1885. Die Knospung der Salpen. *Jena. Zeitschr. Naturw.* XIX, pp. 573–677, pls. x–xix.

1885. Budding of *Salpæ*. *Jrn. R. Micr. Soc.* (2) VI, pp. 416–418.

1888. Die Entstehung des Generationswechsels der Salpen. *Jena. Zeitschr. Naturw.* XXII, 2, pp. 399–414.

1889. Alternation of Generations in *Salpa*. *Jrn. R. Micr. Soc.* 1889, p. 629.
1891. *Zool. Jahresb.* 1889, Tunicata, p. 6.

1889. Zur Entwickelungsgeschichte der Pyrosomen. *Jena. Zeitschr. Naturw.* XXIII, pp. 595–658, pls. xxx–xxxvii.

1890. Development of *Pyrosoma*. *Jrn. R. Micr. Soc.* 1890, pp. 23–25.
1891. *Zool. Jahresb.* 1889, Tunicata, pp. 4–5.

1892. Bemerkungen zu Herrn Prof. Salensky's "Beiträge zur Embryonalentwicklung der Pyrosomen." Zool. Jahrb. Bd. V [1891]. *Zool. Anzeig.* XV, pp. 78–84.

1892. Ueber die erste Bildung des Zwitterapparatus in den jungen Pyrosomenstöcken. (In) Festschrift zu siebenzigsten Rudolf Leuckart, pp. 374–384, pl. xxxviii. fol. Leipzig.

1893. *Zool. Jahresb.* 1892, Tunicata, p. 4.

1893. Berichtigung zu Herrn Salensky's Abhandlung "Morphologische Studien an Tunicaten," I [1893]. *Zool. Anzeig.* XVI, pp. 472–473.

1893. Ueber die Entstehung des Peribranchialraumes in den Embryonen der Ascidien. *Zeitschr. wiss. Zool.* LVI, 3, pp. 365–401, pls. xix, xx.

1884. Origin of peribranchial cavity in Ascidian embryos. *Jrn. R. Micr. Soc.* 1904, p. 50.
1894. *Zool. Jahresb.* 1893, Tunicata, pp. 6, 10–11.

1893. Einige Beobachtungen über die Bildung des äusseren Mantels der Tunicaten. *Zeitschr. wiss. Zool.* LVI, 3, pp. 488–505, pl. xxiv.

1894. Formation of Mantle. *Jrn. R. Micr. Soc.* 1894, p. 50.
1894. *Zool. Jahresb.* 1893, Tunicata, pp. 3–4.

SEELIGER, O.

1893–94. Tunicata: Manteltliiere. (In) Bronn's Thier-Reichs, III, Suppl. 1 (1893), pp. 1–48; 2–3 (1894), pp. 49–97, pls. i–iv, text-ff. 1–6. 8°. Leipzig.

1894. Die Bedeutung der "Segmentation" des Ruderschwanzes der Appendicularien. *Zool. Anzeig.* XVII, pp. 162–165, 2 figs.

1894. So-called segmentation of the Tail in *Appendicularia*. *Jrn. R. Micr. Soc.* 1894, p. 442.

1895. *Zool. Jahresb.* 1894, Tunicata, p. 2.

1895. Die Pyrosomen der Plankton-Expedition. (In) Ergebn. der Plankt.-Exped. der Humboldt-Stiftung. II, E, b, 95 pp., 6 pls., 1 map, 2 text-figs. 4°. Kiel & Leipzig. [6 sps.]

1897. *Zool. Jahresb.* 1896, Tunicata, pp. 9–10.

1895. Die "Segmentation" des Ruderschwanzes der Appendicularien. *Zool. Centralbl.* II, pp. 609–614, 2 figs.

1895. Tunicata: Manteltliiere. (In) Bronn's Thier-Reichs, III, Suppl. 4, 5, pp. 97–144, pls. v, vi, text-ff. 7–11. 8°. Leipzig.

1896. Natur und allgemeine Auffassung der Knospenfortpflanzung der Metazoen. *Verh. deutsch. zool. Ges.* VI, pp. 25–59, ff. 1–27. [pp. 45–51, 53–56 *passim*, ff. 19–27.]

1896. Neuere Untersuchungen über die Embryonalentwicklung der Salpen. *Zool. Centralbl.* III, pp. 117–133, 8 figs.

1897–98. Tunicata: Manteltliiere. (In) Bronn's Thier-Reichs, III, Suppl. 6–10 (1897), pp. 145–208, pls. vii–xi, text-ff. 12–31; 11–20 (1898), pp. 209–320, pls. xii–xviii, text-ff. 32–62. 8°. Leipzig.

1899. *Zool. Jahresb.* 1898, Tunicata, p. 3.

1900. Einige Bemerkungen über den Bau des Ruderschwanze der Appendicularien. *Zeitschr. wiss. Zool.* LXVII, pp. 361–400, pls. xxi–xxiii, 1 text-fig.

1900. Structure of Tail in Appendicularidæ. *Jrn. R. Micr. Soc.* 1900, pp. 453–454.

1900. Ueber Segmentation und Verwandtschaftsbeziehungen der Appendicularien. *Arch. Ver. Mecklenb.* LIII, 2 (*Sitzber. Ges. Rostock*), pp. viii–xvi.

1901. *Zool. Jahresb.* 1900, Tunicata, pp. 3–4.

1900–1. Tunicata: Manteltliiere. (In) Bronn's Thier-Reichs. III, Suppl. 21–25 (1900), pp. 321–384, pls. xix, xx, text-figs. 63–87; 26–30 (1901), pp. 385–464, pls. xxi, xxii, text-ff. 88–112. 8°. Leipzig.

1901. Tierleben der Tiefsee. 49 pp., 1 pl. 8°. Leipzig. [p. 35 (*Fritillaria borealis*).]

Seeliger, O.

1902. Herr Dr. Michaelsen und seine holosomen Ascidien des magalhaensisch-südgeorgischen Gebietes [1900]. *Zool. Anzeig.* XXV, pp. 338–344.

1902–6. Tunicata: Manteltbiere. (In) Bronn's Thier-Reichs, III, Suppl. 31–36 (1902), pp. 465–560, pls. xxiii–xxv, text-ff. 113–127; 37–43 (1903), pp. 561–688, pls. xxvi–xxviii, text-ff. 129–146; 44–52 (1904), pp. 689–832, pls. xxix–xxxii, text-ff. 147–174; 53–67 (1905), pp. 833–1040, pls. xxxiii–xxxviii, text-ff. 175–205; 68–80 (1906), pp. 1041–1280, pls. xxxix–xli, text-ff. 206–241. 8°. Leipzig.

Selenka, *Emil.*

1867. Ueber einige neue Schwämme aus der Südsee. *Zeitschr. wiss. Zool.* XVII, 4, pp. 565–570, pl. xxxv. [pp. 568–569, pl. xxxv, ff. 8–10 (*Lacinia stellifica*).]

1890. A Zoological Pocket-book: or, Synopsis of Animal Classification. Transl. by J. R. A. Davis. 8°. London. [p. 138 (Urochorda).]

1890. Das Stirnorgan der Wirbeltiere. *Biol. Centralbl.* X (1891), pp. 323–326. [p. 326.]

1897. Zoologisches Taschenbuch für Studierende. Ed. 4. 2 vols. 8°. Leipzig. [II, pp. 102–104, ff. 1–14.]

Sellier, *J.*

1899. Contraction musculaire chez les Invertébrés. *See* Joliet, F., & J. Sellier.

Sélys-Longchamps, *Marc de.*

1899. Étude de la branchie chez *Ascidiella scabroides*. *Arch. Biologie*, XVI (1900), 1–2, pp. 117–171, pls. viii–x, 3 text-figs.

1900. Branchial system of Ascidians. *Jrn. R. Micr. Soc.* 1900, p. 36.
1900. *Zool. Jahresb.* 1899, Tunicata, pp. 4–5.
1904. *Arch. Natury.* LXIII, II, 3, p. 156.

1900. Développement du cœur, du péricarde, et des épicardes chez *Ciona intestinalis*. (Commun. prélim.) *Bull. Acad. Sci. Belg.* 1900, 6, pp. 432–441, 6 figs. (Rapport de É. van Beneden, pp. 376–377.)

1901. Development of heart in *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1901, p. 28.

1900. Dévelopment du cœur, du péricarde, et des épicardes chez *Ciona intestinalis*. *Arch. Biologie*, XVII, pp. 499–542, pl. xvii.

1901. Development of *Ciona intestinalis*. *Jrn. R. Micr. Soc.* 1901, p. 145.
1901. *Zool. Centralbl.* VIII, pp. 840–841.
1901. *Zool. Jahresb.* 1900, Tunicata, p. 4.

Sélys-Longchamps, *M. de.*

1901. Étude du développement de la branchie chez *Corella*, avec une note sur la formation des protostigmates chez *Ciona* et *Ascidiella*. *Arch. Biologie*, XVII, pp. 673–711, pl. xxiv.

1901. Development of branchial sac in *Corella*. *Jrn. R. Micr. Soc.* 1901, p. 401.
1902. *Zool. Jahresb.* 1901, Tunicata, p. 2.
1905. *Arch. Naturg.* LXIV, II, 3, p. 116.

Selys-Longchamps, *M. de, & D.* **Damas.**

1900. Recherches sur le développement post-embryonnaire et l'organisation de *Molgula ampulloides* P. J. van Beneden. (commun. prelim.) *Bull. Acad. Sci. Belg.* 1900, pp. 442–449. (Rapport par É. van Beneden, pp. 378–380.)

1900. Recherches sur le développement post-embryonaire et l'anatomie définitive de *Molgula ampulloides*. *Arch. Biologie*, XVII, pp. 385–488, pls. xiii–xv, 2 text-figs.

1901. *Molgula ampulloides*. *Jrn. R. Micr. Soc.* 1901, p. 145.
1901. *Zool. Jahresb.* 1900, Tunicata, pp. 4–5.
1905. *Arch. Naturg.* LXIV, pp. 115–116.

Semon, *Richard Wolfgang.*

1895–96. Zoologische Forschungsreisen. *See* Sluiter, C. P.

1896. Im australischen Busch und an den Küsten des Korallenmeeres. 8°. Leipzig. [p. 315.]

1899. In the Australian Bush and on the coast of the Coral Sea. (Transl.) 8°. London. [p. 288.]

1902. Einige neue ambonesische Rarietätem. (In) Rumphius Gegenboek, pp. 94-97, 1 fig. *Nederl. Maatsch. Haarlem* (Koloniaal Museum). [p. 96, 12 sps.]

Semper, *Carl Gottfried.*

1875. Ueber die Entstehung der geschichteten Cellulose-Epidermis der Ascidien. *Verh. Ges. Würzburg*, (2) VIII, pp. 63–86, pls. iii, iv. (And) *Arb. zool. Inst. Würzburg.* II, pp. 1–24, pls. i, ii.

1877. *Zool. Record*, XII, p. 209.

1875. Die Stammersverwandtschaft der Wirbelthiere und Wirbellosen. *Arb. Zool. Inst. Würzburg*, II, pp. 25–76, pls. iii–v. [pp. 25–29, 56–73 *passim.*]

1875. [Die wichtigeren Ergebnisse der Untersuchungen von Ludwig über Eibildung bei Thieren.] *Verh. Ges. Würzburg* (2), VIII, Sitzber. p. iii. [*Ascidiæ.*]

1881. The natural conditions of existence as they affect Animal Life. (*Internat. Sci. Ser.* XXXI.) 8°. London. [p. 3.]

Serres, *Antoine Étienne Renard Augustin.*

1837. Recherches sur l'anatomie des Mollusques, comparée à l'ovologie et à l'embryogénie de l'Homme et des Vertébrés. *Compt. rend. Acad. Sci.* V, pp. 573–578. (And) *Ann. Sci. nat.* (2) VIII, pp. 168–174.

1844. Observations sur le parallèle de l'Embryogenie comparée des Vertébrés et des Invertébrés. *Compt. rend. Acad. Sci.* XIX, pp. 1426–1429. [pp. 1428, 1429.] Réponse de M. Milne Edwards, pp. 1429–1432. [p. 1431.] Réponse de M. Serres, pp. 1432–1433.

Shaw, *George.*

1809. Zoological Lectures delivered at the Royal Institution in the years 1806 and 1807. 2 vols. 8°. London. [II, pp. 125–126, pl. cxxvii (*Pyrosoma*)].

Shaw, *G., & F. P.* **Nodder**

1793–1807. Vivarium naturæ, or the Naturalists' Miscellany. 24 vols. 8°. London, 1789–1813. [V, pl. 154 (1793); VI, pls. 214, 215 (1795); VII, pl. 239 (1796); X, pl. 376 (1799); XIII, pl. 532 (1802); XVIII, pl. 748 (1807).]

Sheldon, *Lilian.*

1887. Note on the ciliated pit of Ascidians and its relation to the nerve-ganglion and the so-called hypophysial gland; and an account of the Anatomy of *Cynthia rustica* (?). *Qrt. Jrn. Micr. Sci.* (N.S.) XXVIII, pp. 131–148, pls. ix, x.

1888. *Zool. Jahresb.* 1887, Tunicata, p. 3.

1891. *Arch. Naturg.* LIV, II, 3, pp. 1–2.

Sherborn, *Charles Davies.*

1897. On the dates of the Natural History portion of Savigny's 'Description de l'Égypte.' *Proc. Zool. Soc. Lond.* 1897, pp. 285–288. [Ascidiens, 1816.]

Sherlock, *R. L.*

1903. The Foraminifera and other organisms in the Raised Reefs of Fiji. *Bull. Mus. Comp. Zool.* XXXVIII (Geol. Ser. V), 8, pp. 349–365, 13 figs. [ff. 9–13 (Spicules of *Leptoclinum*).]

Shipley, *Arthur Everett.*

1889. Essays upon Heredity. *See* Weismann, F. L. A.

1893. Zoology of the Invertebrata. 8°. London. [pp. 434–450, ff. 251–263.]

1901. The Abysmal Fauna of the Antarctic Region. (In) Antarctic Manual, pp. 241–275. [pp. 271–272 (8 sps.).]

1901. *Zool. Centralbl.* VIII, pp. 855–857.

Shipley, *A. E., & E. W.* **MacBride.**

1901. Zoology: an elementary Text-book. Cambridge Natural Science Manuals. Biological Series. 8°. Cambridge. [pp. 308–317.]

Shoenland, *Selmar.*

1889. Essays upon Heredity. *See* Weismann, F. L. A.

Sicard, *Henri.*

1883. Éléments de Zoologie. 8vo. Paris. [pp. 459–467, ff. 477–483.]

Siebold, *Carl Theodor Ernst von.*

1848. Lehrbuch der vergleichenden Anatomie der Wirbellosen Thiere. 8°. Berlin. [pp. 234–293 *passim.*]

1849. Nouveau manuel d'Anatomie Comparée. I. Animaux invertébrés. (Transl. in Manuels-Roret.) 12°. Paris. [pp. 233–290 *passim.*]

1854. Anatomy of the Invertebrata. Transl. by Waldo I. Burnett. 8°. London. [pp. 184–221 *passim.*]

1875. Challenger Expedition. *See* Willemois-Suhm, R. von, & C. T. E. von Siebold.

Siedlecki, *M.*

1899. [On the sexual multiplication of *Monocystis ascidiæ* R. Lank.] (In Russian.) *Anzeig. Akad. Wiss. Krakau,* 1899, pp. 515–537, 1 pl. [*Ciona intestinalis.*]

1901. Sur les rapports des Grégarines avec l'épithélium intestinal. *Mém. Soc. Biol. Paris,* LIII, pp. 81–83. [*Ciona intestinalis.*]

Silbermann, *Samuel.*

1906. Untersuchungen über den feineren Bau von *Alcyonidium mytili. Arch. Naturg.* LXXII, i, 3, pp. 265–310, pls. xix, xx. [p. 266 (*Styelopsis grossularia*).]

Simroth, *Heinrich Rudolf.*

1891. Die Enstehung der Landtiere. Ein biologischer Versuch. 8°. Leipzig. [pp. 35–71, 113–169, 261, 340, 414, *passim.*]

1901. Abriss der Biologie der Thiere. 2 Theil. Leipzig. (*Fide* Matzdorff.)

1902. Ueber die Ernährung der Thiere und der Weichthiere im besonderen. *Internat. zool. Congr.* V (Berlin), pp. 777–785, 1 fig. [p. 779 (*Oikopleura*).]

Sinel, *Joseph.*

1906. An Outline of the Natural History of our Shores. 8°. London. [pp. 233–247, ff. 100–104.]

Sinel, *J., & James* **Hornell.**

1893. Zoology of the Channel Islands. *See* Hornell, J.

Skorikov, *A. S.*

1904. (In) Compte-rendu Mus. Zool. Acad. Imp. Sci. 1903. *Ann. Mus. St. Pétersb.* IX, pp. 1–59. [p. 25.]

Sladen, *Walter Percy.*

1893. Report of the Committee, . . . to appoint Mr. Willey to investigate the Morphology of the Ascidians at the Zoological Station at Naples, . . . *Rep. Brit. Assoc.* 1892, pp. 344–353. [pp. 345–347, 351, 352.]

1901. In Memoriam. *See* Cash, W.

Sloane, *Sir Hans.*

1696. Catalogus plantarum in Insula Jamaica sponte proveniunt . . . 8°. London. [p. 6 (*Pila marina*).]

1707. A Voyage to the Islands of Madeira, Barbados, . . . and Jamaica, with the Natural History of the last of those Islands, . . . 2 vols. fol. London, 1707–1725. [I, p. 62, pl. xxiii, f. 1 (*Pila marina*).]

(In German, Berlin, 1764.)

Sluiter, *Carel Philip.*

1884. Zur Kenntnis der geographischen Verbreitung der einfachen Ascidien. *Zool. Anzeig.* VII, pp. 373–375. [Malayan Archipelago.]

1885. Ueber einige einfachen Ascidien von der Insel Billiton. *Nat. Tijdschr. Nederl. Ind.* XLV, pp. 160–232, pls. i–ix. [16 sps.]

1886. *Zool. Record,* XXII, Tunicata, pp. 2–3, 5, 6.

1887. Einfache Ascidien aus der Bai von Batavia. *Nat. Tijdschr. Nederl. Ind.* XLVI, pp. 242–266, pls. i–iii. [9 sps.]

1888. *Zool. Record,* XXIV, Tunicata, pp. 2, 4, 5.

1891. *Arch. Natury.* LIV, II, 3, p. 8.

1890. Die Evertebraten aus der Sammlung des königlichen naturwissenschaftlichen Vereins in Niederländisch Indien in Batavia. Zugleich eine Skizze der Fauna des Java-Meeres mit Beschreibung der neuen Arten. Ascidiæ simplices. *Nat. Tijdschr. Nederl. Ind.* L, pp. 329–348, pls. i, ii. [36 sps.]

1895. Tunicata. (In) Zoologische Forschungsreisen in Australien und den malagischen Archipel. . . . von R. Semon, V. *Denkschr. Ges. Jena,* VIII (1903), pp. 161–186, pls. vi–x.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 5.

1896. *Zool. Record,* XXXII, Tunicata, pp. 6–7.

Sluiter, *C. P.*

1896. Nachtrag zu den Tunicaten. (In) Semon's Zool. Forsch. Austral. V. *Denkschr. Ges. Jena,* VIII (1903), pp. 323–326, pl. xxii (*pars*).

1897. Beiträge zur Kenntniss der Fauna von Süd-Africa. II. Tunicaten. *Zool. Jahrb.,* Syst. XI (1898), pp. 1–64, pls. i–vii. [32 sps.]

1898. South African Tunicata. *Jrn. R. Micr. Soc.* 1898, p. 188.
1899. *Zool. Record,* XXXV, Tunicata, pp. 6–8.
1901. *Arch. Naturg.* LXI, II, 3, pp. 158–159.

1898. Tuniciers recueillis en 1896 par la "Chazalie" dans la Mer des Antilles. *Mém. Soc. zool. France,* XI, pp. 5–34, pls. i–iii. [20 new sps.]

1899. *Biol. Centralbl.* VI, p. 314.
1901. *Arch. Naturg.* LXI, II, 3, p. 168.

1899. Berichtigung über eine *Synstyela*-Art. *Zool. Anzeig.* XXIII, p. 110. [*S. michaelseni.*]

1900. Tunicaten aus dem Stillen Ocean. Ergebnisse einer Reise nach dem Pacific. *Zool. Jahrb.,* Syst. XIII, pp. 1–35, pls. i–vi. [36 sps.]

1900. Pacific Tunicata. *Jrn. R. Micr. Soc.* 1900, pp. 314–315.

1904. Die Tunicaten der Siboga-Expedition. I. Die socialen und holosomen Ascidien. Siboga-Exped. Monogr. 56a, pp. 1–126, pls. i–xv. 4°. Leiden.

1905. *Zool. Jahresb.* 1904, Tunicata, p. 7.

1905. Bemerkungen über Gruppenbenennungen bei Ascidien. *Zool. Anzeig.* XXVIII, pp. 625–626.

1905. Die Tunicaten der Siboga-Expedition. Suppl. zu der I Abth.: Die socialen und holosomen Ascidien. Siboga-Exped. Monogr. 56a, pp. 127–139, pl. xvi. 4°. Leiden.

1905. Note préliminaire sur les Ascidiens holosomates de l'Expédition antarctique française commandée par le Dr. Charcot. *Bull. Mus. Hist. nat.* XI, pp. 470–475. [8 sps.]

1905. Tuniciers recuillis en 1904 par M. Ch. Gravier dans le golfe de Tadjourah (Somalie française). [Resumé.] *Bull. Mus. Hist. nat.* XI, pp. 100–103.

1905. Tuniciers recuillis en 1904 par M. Ch. Gravier dans le golfe de Tadjourah (Somalie française). *Mém. Soc. zool. France,* XVIII, pp. 5–21, pls. i, ii. [18 sps.]

1908. *Arch. Naturg.* XLIX, II, 3, pp. 18, 21.

1905. Zwei merkwürdige Ascidien von der Siboga-Expedition. *Tijdschr. Nederl. Dierk. Ver.* (2) IX, 1–2, pp. 325–327, 2 figs.

1906. Two remarkable Ascidians. *Jrn. R. Micr. Soc.* 1906, p. 296.

Sluiter, *C. P.*

1906. Seconde note sur les Tuniciers recuillis dans l'Antarctique par l'Expédition du Dr. Charcot. *Bull. Mus. Hist. nat.* XII, pp. 550–555.

1909. *Arch. Naturg.* LXXIII, II, 3, Tunicata, p. 17.

1906. Tuniciers. (In) Expédition Antarctic Française (1903–1905). ii+50 pp., 5 pls., chart, 10 text-figs. 4°. Paris. [22 sps.]

1909. *Arch. Naturg.* LXXIII, II, 3, Tunicata, p. 12.

1909. Die Tunicaten der Siboga-Expedition. II. Die merosomen Ascidien. Siboga-Exped. Monogr. 56b, 112 pp., 8 pls., 2 text-figs. 4°. Leiden.

1910. *Zool. Jahresb.* 1910, Tunicata, pp. 3–4.

Smiles, *Samuel.*

1876. Life of a Scotch Naturalist. *See* Edward, T. (In Add.)

Smith, *A. E., F. J.* **Bell,** *& R.* **Kirkpatrick.**

1901. A Guide to the Shell and Starfish Galleries (Mollusca, Polyzoa, Brachiopoda, Tunicata, Echinoderma, and Worms). British Museum (Nat. Hist.) [Ed. 3.] 8°. London. [pp. 83–105.]

(*Ibid.* ed. 5, 1908.)

Smith, *J. A., & W. D.* **Ross.**

1910. Works of Aristotle. *See* Thompson, D'A. W.

Smith, *Sanderson, & Temple* **Prime.**

1870. Report on the Mollusca of Long Island, N. Y., and of its dependencies. *Ann. Lyceum N. York,* IX, pp. 377–407. [pp. 405, 406.]

Smith, *Sidney Irving.*

1873. Invertebrate Animals of Vineyard Sound. *See* Verrill, A. E., & S. I. Smith.

Smith, *William Ramsay.*

1889. On the food of Fishes. *Rep. Fish. Board Scotl.* VII, III, pp. 222–258. [pp. 224, 225, 239.]

1890. On the food of Fishes. *Rep. Fish. Board Scotl.* VIII, III, pp. 230–256. [pp. 233, 234, 254, 256.]

Smith, *W. R., & J. Stewart* **Norwell.**

1889. Illustrations of Zoology: Invertebrates and Vertebrates. 4°. Edinburgh & London. [pl. xxviii (*Phallusia* and *Fragarium*).]

Solander, *Daniel.*

1786. The Natural History of many curious and uncommon Zoophytes, collected from various parts of the globe by the late John Ellis, . . . 4°. London. [pp. 49, 175–179.]

Soldani, *Ambrogio.*

1795. Testaceographia ac Zoophytographia parva et microscopica. 4 vols. fol. Senis, 1789–98. [I, 3, cap. x, p. 241, pl. clxv, f. R.]

Solger, *Bernhard Friedrich.*

1898. Ueber Kernzerschnürung und Karyorhexis. *Verh. Ges. deutsch. naturf.* LXIX, II, 2, pp. 238–239. [p. 239 (*Salpa*).]

Sollas, (*Miss*) *H.*

1908. Experimental Zoology. *See* PRZIBRAM, H.

Sollas, *Ignerna B. J.*

1903. On *Hypurgon skeati*, a new genus and species of compound Ascidians. *Qrt. Jrn. Micr. Sci.* (N. S.) XLVI, 4, pp. 729–735, pls. xxxiv, xxxv.

1905. *Arch. Naturg.* LXIV, II, 3, pp. 124, 127.

1908–10. Prochordata incl. Enteropneusta. *Internat. Cat. Sci. Lit.* XIII. VI (1908), 7 pp. [pp. 5–7]; VII (1909), 7 pp. [pp. 5–7]; VIII (1910), 8 pp. [pp. 6–7]. (And) *Zool. Record,* XLVII. XLIII (1908); XLIV (1909); XLV (1910). (pp. as above.)

Sommer, *Alfred.*

1905. Beobachtungen am überlebenden Ovarialei der Ascidien. *Anat. Anzeig.* XXVI, 1, pp. 1–8.

1908. Observations sur l'ovule des Ascidies à l'état vivant. *Année biol.* X, pp. 30–31.

Sorby, *Henry Clifton.*

1884. The application of quantitative methods to the study of certain biological questions. *Trans. Manch. Micr. Soc.* 1883–84, pp. 72–75. [pp. 74, 75.]

1897. General remarks on the Marine Natural History of the Colne Estuary. *Essex Naturalist,* X (1898), pp. 166–169, 1 fig. [p. 167.]

1901. On the variations in numbers and habitat of Marine Animals on the coast of Essex during the last ten or twelve years. *Essex Naturalist,* XII, pp. 17–23. [pp. 17–21.]

1903. Marine Zoology of Essex. *See* GARSTANG, W., & H. C. SORBY.

SORBY, *H. C.*

1908. Marine Zoology. (In) Victoria History of the County of Kent. I, pp. 91–98. 8°. London. [pp. 93–94, 96 (12 sps.).]

Sorby, *H. C., & W. A.* **Herdman.**

1882. On the Ascidians collected during the Cruise of the yacht 'Glimpse' in 1881. *Jrn. Linn. Soc. Lond.*, Zool. XVI (1883), pp. 527–536, pls. 2.

1882. *Zool. Anzeig.* V, p. 339.
1883. *Zool. Jahresb.* 1882, III, p. 9.

Sowerby, *George Brettingham* (*primus*).

1829. New or interesting Mollusca. *See* BRODERIP, W. J., & G. B. SOWERBY.

Sowerby, *George Brettingham* (*secundus*).

1857. Popular History of the Aquarium. 8°. London. [pp. 15, 267, pl. xiii (*Ascidia*).]

Sowinsky, *W.*

1904. [Introduction to the study of the fauna of the marine basin Ponto-Aralo-Caspian from the point of view of an independant zoographical province.] (In Russian.) *Zapiski Kiev. Obshch.* XVIII, pp. i–xiii, 1–206, i–iv, 4 pls.

Spallanzani, *Lazzaro.*

1793. Viaggio alle duo Sicilie e in alcune parti dell' Appennino. 6 vols. 8°. Pavia, 1792–97. [IV, pp. 242–243, 246–247, pl. x, ff. i–vii (*Ascidia coriacea*).]

1795. L. Spallanzani . . . Reisen in beyde Sicilien und in einige Gegenden der Appenninen. (Transl.) 3 vols. 8°. Leipzig. [III, pp. 220, 223–231, pl. x, ff. i–vii.]

1798. Travels in the two Sicilies and some parts of the Appennines. (Transl.) 4 vols. 8°. London. [IV, pp. 258–259, 262–274, pl. x, ff. i–vii.]

1800. Voyage dans les deux Siciles et dans quelques parties des Appennins. (Transl.) 4 vols. 8°. Paris, an. viii. [IV, pp. 172–181, pl. vi, ff. i–vii.]

Spengel, *Johann Wilhelm.*

1893. Die Enteropneusten des Golfes von Neapel und der angrenzenden Meeres-abschnitte. (In) Fauna u. Flora Golfe v. Neapel, 18 Monogr. 4°. Berlin. [pp. 721, 722, 734–735.]

Spicer, *Trevethan.*

1853. Zoology. Notes of a lecture delivered at Crosby Hall. 16 pp. 8°. London. [pp. 14, 16.]

Spix, *Johann Baptist von.*

1811. Geschichte und Beurtheilung aller Systeme in der Zoologie nach ihrer Entwicklungsfolge von Aristoteles bis auf die gegenwärtige Zeit. 8°. Nürnberg. [pp. 435, 447, 448, 457, 476, 478, 486, 494, 502.]

Staby, *Ludwig.*

1894. Die vier ersten Stämme des Tierreichs. (In) Das Tierreich. Von C. R. Heck, P. Matschie, E. C. von Martens, B. Duerigen, L. Stahy, E. Krieghoff. 2 vols. 8°. Neudamm. [I, pp. 159–163, 4 figs.]

Stanger, *John.*

1860. *Cynthia vestita*, an undescribed Ascidian. *Trans. Tyneside Field Club,* IV, p. 335.

Stark, *John.*

1828. Elements of Natural History, . . . 2 vols. 8°. Edinburgh & London. [II, pp. 115–121.]

Starkenstein, *E.*

1910. Der Glykogennachweis bei niederen Seetieren sp. Tunikaten. *Lotos,* LVIII, pp. 281–282. [*Phallusia.*]

1910. Ueber den Glykogengehalt der Tunicaten nebst Versuchen über die Bedeutung des Eisens für die quantitative Glykengenbestimmung. *Biochem. Zeitschr.* XXVII, pp. 53–60.

Stebbing, *Thomas Roscoe Rede.*

1900. South African Crustacea. (In) Marine Investigations in South Africa. (*Dept. Agric. Cape of Good Hope.*) I (1902), pp. 14–66. 8°. Cape Town. [p. 26 (*Goodsiria placenta*).]

Steenstrup, *Johannes Japetus Smith.*

1842. Om Forplantning og Udvikling gjennem vexlende Generationsrækker, . . . 76 pp., 3 pls. 4°. Kjöbenhavn. [pp. 1, 18–27, 65, 68.]

1842. Ueber den Generationswechsel oder die Fortpflanzung und Entwickelung durch abwechselnde Generationen, . . . (Transl. by) C. H. Lorenzen. 8°. Copenhagen. [pp. vii–viii, 33–50, 119–120, 125–126.]

1845. On the Alternation of Generations, or the propagation and development of Animals through alternate Generations, . . . Transl. . . . by George Busk. (*Ray Society.*) [pp. v, 3, 38–51, 107, 112 (*Salpa*).]

Stein, *Friedrich Ritter von.*

1883. Der Organismus der Infusionsthiere. 3 vols. fol. Leipzig, 1859–83. III, II. Die Naturgeschichte arthrodelen Flagellaten, 30 pp., 25 pls. [pp. 3, 4, 5, 7, 20-28 (Ciliio-flagellata on Tunicata).]

Steiner, *Julius.*

1898. Die Functionen des Centralnervensystems und ihre Phylogenese. 4 Abth. Die wirbellosen Thiere. 8°. Braunschweig, 1895–1900. [III, pp. 67–69, f. 25 (*Appendicularia*).]

1899. Nervous System of Invertebrates. *Jrn. R. Micr. Soc.* 1899, pp. 27–28.

Steinmann, *Johann Heinrich Conrad Gottfried Gustav.*

1903. Einführung in die Palæontologie. 8°. Leipzig. [pp. 60, 248, 330.]

(Ed. 2, 1907. [pp. 75, 270, 355.].)

Stenhouse, *E.*

1898. The Sea-squirt. *Knowledge,* XXI, pp. 220–221.

Stepanoff, *Paul.*

1868. Ueber die Entwickelung der weiblichen Geschlechtselemente von *Phallusia*. *Bull. Acad. Sci. St. Pétersb.* XIII (1869), cols. 209–218, 1 pl.

1869. *Arch. Naturg.* XXXV, II, p. 102.

Stephen, *P.*

1907. Parasite de *Ciona intestinalis*. *See* GAVER, F. van, & P. STEPHEN.

Stern, *L.*

1907. Activation de la respiration tissulaire. *See* BATELLI, F., & L. STERN. (In Add.)

Steuer, *Adolf.*

1895. Zoologische Ergebnisse: VI. Sapphirinen des Mittelmeeres und der Adria. (In) Ber. Comm. Mittelmeeres. *Denkschr. Akad. Wiss. Wien,* LXII, pp. 149–176, 4 pls. [p. 158 (*Pyrosoma*).]

1897. Vorläufiger Bericht über die pelagische Thierwelt des Rothen Meeres. *Sitzber. Akad. Wiss. Wien.* CVI, I, pp. 407–424, 1 map. [pp. 408–411, 418, 419.]

1898. Zoologische Ergebenisse: VII. Sapphiren des Rothen Meeres. (In) Ber. Comm. Rothen Meeres. *Denkschr. Akad. Wiss. Wien,* LXV, pp. 423–431, 1 chart. [p. 428 (Salpen).]

1901. Plankton des Triester Golfes. *See* CORI, C. J., & A. STEUER.

Steuer, *A.*

1902. Mittheilung aus der k.k. zoologischen Station in Triest. No. 4. Beobachtungen über das Plankton des Triester Golfes im Jahre 1901. *Zool. Anzeig.* XXV, pp. 369–372, table 1. [p. 370, 371, and table.]

1903. Mittheilungen aus der k.k. zoologischen Station in Triest. No. 8. Beobachtungen über das Plankton des Triester Golfes im Jahre 1902. *Zool. Anzeig.* XXVII (1904), pp. 145–148. [pp. 147 (*Fritillaria*), 148 (*Salpæ*).]

1905. Ueber das Kiemenfilter und die Nahrung adriatischer Fische. *Verh. Ges. Wien,* LV, pp. 275–299, 25 figs. [pp. 276–277, f. 1 (*Ciona intestinalis*).]

1910. Biologisches Skizzenbuch für die Adria. Leipzig & Berlin. (*Fide* Seeliger.)

1910. Planktonkunde. 8°. Leipzig & Berlin. [*See* Index, pp. 770–787; ff. 153–155, 185, 200, 316–318, 338.]

Stevens, *James Francis.*

1845. Invertebrata. (In) Encyclopædia Metropolitana, XXIII. 4°. London. [pp. 50, 301 (*Pandocia* and *Phallusia.*]

Stevenson, *William B.*

1825. A historical and descriptive Narrative of twenty years' residence in South America. 3 vols. 8°. London. [I, p. 124 (The piuri).]

Stewart, *Charles.*

1817. Elements of the Natural History of the Animal Kingdom. Ed. 2. 2 vols. 8°. Edinburgh. [I, pp. 391–392.] (Ed. 1, 1801.)

Stewart, *Charles.*

1900–2. Descriptive and illustrated Catalogue of the Physiological Series of Comparative Anatomy contained in the Museum of the Royal College of Surgeons of England. Ed. 2. 3 vols. 8°. London, 1900–7. [I (1900), pp. xxxi, xxxiii, 101–102; II (1902), p. 63.]

Stiasny, *Gustav.*

1903. Einige histologische Details über *Trichoplax adhærens. Zeitschr. wiss. Zool.* LXXXIX, pp. 417–477, pls. xxvi–xxviii. [pp. 467–468 (*Fritillaria*).]

1909. Beobachtungen über die marine Fauna des Triester Golfes im Jahre 1908. *Zool. Anzeig.* XXXIV, pp. 289–294, 1 pl. [pp. 290 (*Oikopleura*), 292-293 (*Salpæ*).]

Stiasny, *G.*

1910. Beobachtungen über die marine Fauna des Triester Golfes im Jahre 1909. *Zool. Anzeig.* XXXV, pp. 583–587. [pp. 583 (*Salpa*), 584, 585.]

Stieren, *Adolf.*

1895. Die Insel Solowetzk im Weissen Meere und ihre biologische Station. *Sitzber. Nat. Ges. Jurjew,* X, pp. 255–297. [pp. 293–294 (19 sps.).]

Stimpson, *William.*

1851. Some remarks on an Ascidian found in Massachusetts Bay. *Proc. Boston Soc. Nat. Hist.* IV (1854), p. 49. [*Pelonaia arenifera.*]

1852. Descriptions of several new Ascidians from the coast of the United States. *Proc. Boston Soc. Nat. Hist.* IV (1854), pp. 228–232. [14 sps.]

1854. *Arch. Naturg.* XX, II, p. 187.

1853. Synopsis of the Marine Invertebrata of Grand Manan, or the region round the Bay of Fundy, New Brunswick. *Smithson. Contrib. Knowl.* VI, v, 68 pp., 3 pls. [pp. 19–20 (9 sps.).]

1854. *Arch. Naturg.* XX, II, pp. 187–188.

1855. Descriptions of some of the new Marine Invertebrata from the Chinese and Japanese Seas. *Proc. Acad. Philad.* VII (1856), pp. 375–384. [pp. 377–378 (10 sps.).]

1856. *Arch. Naturg.* XXII, II, p. 118.

1855. Descriptions of some new Marine Invertebrata. *Proc. Acad. Philad.* VII (1856), pp. 385–394. [pp. 387–388 (7 sps.).]

1859. On the collection and preservation of Marine Invertebrates. (In) Directions for collecting, preserving, and transporting specimens of Natural History. Ed. 3. *Smithson. Miscell. Coll.* II (1862), VII, pp. 37–40, 1 fig. [p. 37.]

1860. East Coast: Arctic seas to Georgia, 6 pp. (In) Check list of the shells of North America. *Smithson. Miscell. Coll.* II (1862), VI, 44 pp. [pp. 1–2 (29 sps.).]

1864. Descriptions of new species of Marine Invertebrata from Puget Sound, collected by the naturalists of the Northwest Boundary Commission, . . . *Proc. Acad. Philad.* 1864, 3, pp. 153–161. [pp. 159–161 (5 sps.).]

Storm, *V.*

1876. Aaresberetning fra naturaliesamlingens Bestyrer. *Norske Vid. Selsk. Skrift.* VIII (1879), III, pp. 31–88 [p. 80 (5 sps.).]

Strack, *Christian Friedrich Leberecht.*

1816. Aristoteles Naturgeschichte der Thiere . . . 8°. Frankfurt am Main. [pp. 166, 177–178, 192, 395.]

Strack, *Max Ernst Dietrich Leberecht.*

1853–55. Cajus Plinius secundus Naturgeschichte. 3 vols. 8°. [I (1853), pp. 54–55; III (1855), pp. 850–854.]

Strasburger, *Edouard.*

1876. Ueber Zellbildung und Zelltheilung. Ed. 2. 8°. Jena. [pp. 211–213, 216–315 *passim*, pl. viii, ff. 1–13 (*Phallusia mamillata*).]

1876. Sur la formation et la division des Cellules. Traduit . . . par J. J. Kickx. 8°. Jena, Londres, & Paris. [pp. 211–213, 216–291 *passim*, pl. viii, ff. 1–13 (*Phallusia mamillata*).]

Strassen, *Otto L. zur.*

1908. Zur Widerlegung des Vitalismus. *Arch. Entwick. Org.* XXVI, pp. 153–177. [pp. 159, 164–176 (*Clavelina*).]

Strassle, *Franz.*

Handbuch der Naturgeschichte aller drei Reiche. 8°. Stuttgart. [p. 288.]

Streiff, *R.*

1908. Generationswechsel bei den Mantelthiere. *Korr.-bl. Nat.-Ver. Riga*, 51, pp. 153–154.

1908. Ueber die Muskulatur der Salpen und ihre systematische Bedeutung. *Zool. Jahrb.*, Syst. XXVII, pp. 1–82, pls. i–iv, 11 text-figs.

1909. *Zool. Jahresb.* 1908, Tunicata, p. 7.

Strobell, *Ella C.*

1905. Eggs of *Cynthia partita*. *See* Conklin, E. G.

Studer, *Theophil.*

1879. Die Fauna von Kerguelensland. *Arch. Naturg.* XLV, 1, pp. 104–141. [pp. 130, 133 (6 sps.).]

1889. Zoologie und Geologie. (In) Die Forschungsreise S.M.S. "Gazelle" . . . 1874–76. III, 322 pp., 33 pls. 4°. Berlin. [pp. 150–151, 196, 268, 295–296.]

Stuhlmann, *Franz.*

1886. Die Reifung des Arthropodeneies nach Beobachtungen an Insecten, Spinnen, Myriapoden, und *Peripatus*. *Ber. nat. Ges. Freiburg* I, pp. 101–228 (vi, 128 pp.), pls. v–x, 2 text-figs. [pp. 193–199, ff. 1, 2 (*Amaroucium rubicundum* and *Clavelina lepadiformis*).]

1888. *Zool. Jahresb.* 1886, Tunicata, p. 4.

Sturany, *Rodolf.*

1901. Mollusken und Tunicaten. (In) Botanik und Zoologie in Oesterreich in den Jahren 1850 bis 1900. *Festschr. Ges. Wien,* 1901, pp. 381–406. [p. 406 (*Doliolum*).]

Sumner, *F. B.*

1904. The Summer's work at the Woods Hole Laboratory of the Bureau of Fisheries. *Science,* (N. S.) XIX, pp. 241–253. [p. 251 (Gregarine in *Cynthia*).]

Sutton, *John Bland.*

1886. An Introduction to General Pathology. 8°. London. [pp. 42–44, ff. 19–21 (Ascidians), and p. 119 (*Botryllus*).]

Swainson, *George.*

1889. Results of dredging excursion to Dalby, Aug., 1888. *Lioar Manninagh* (*Jrn. I. Man N. H. Soc.*), I, II, pp. 14–15. [p. 15 (11 sps.).]

1890. Appendicularia with its "Haus." *Internat. Jrn Micr.* IV, pp. 10–19, pl. i, 1 text-fig.

1892. A new form of Appendicularian "Haus." *Rep. Brit. Assoc.* 1891, pp. 701–702, 1 fig. (And) *Internat. Jrn. Micr.* VI, pp. 34–36, pl. v *supra.*

1893. *Zool. Jahresb.* 1892, Tunicata, pp. 2-3.

1895. *Arch. Naturg.* LVIII, II, 3, p. 2.

Swainson, *William.*

1835. The Elements of modern Conchology; . . . 12°. London. [p. 26 (*Chelyosoma*).]

1840. A Treatise on Malacology; . . . 8°. London. [pp. 25, 236 (*Chelisoma,* male pro *Chelysoma*).]

Swederus, *Magnus Bernhard.*

1886. Tunikater från Sibiriens Ishaf och Berings-Haf, insamlade under Vega-Expeditionen. (In) Vega-exped. vetensk. Iakttag. . . . af A. E. Nordenskiöld. IV, pp. 87–112. 8°. Stockholm.

T.

Tandon, *C. H. B. A. Moquin.*

See MOQUIN-TANDON, C. H. B. A.

Tanner, *Z. L.*

1897. Deep-sea Exploration: a general description of the steamer 'Albatross,' her appliances and methods. *Bull. U. S. Fish Comm.* XVI, pp. 257–428, 40 pls., 76 text-figs. [p. 408.]

Targione-Tozzetti, *Adolfo.*

1880. Crostacei, Insetti, Molluschi, ed altri Animali Italiani interessanti la Pesca. (In) Catalogo . . . Esposizione internazionale di Pesca in Berlino 1880. Sezione Italiana. pp. 119–138. 8°. Firenze. [p. 137 (13 sps.).]

Taschenberg, *Ernst Otto Wilhelm.*

1882. Die Verwanderlungen der Thiere. (In) Das Wissen der Gegenwart, VII. 8°. Leipzig. [pp. 149–152, 185–194, ff. 72, 79.]

1891. Repetitorium der Zoologie, . . . 8°. Breslau. [pp. 248–?, ff. 143–146.]

1909. Die giftigen Tiere. Ein Lehrbuch für Zoologen, Mediziner, und Pharmazeuten. 8°. Stuttgart. [pp. 21–22.]

Taylor, *John Ellor.*

1872. Half-hours at the Sea-side. 8°. London. [pp. 148–155, ff. 79–81.]

(Ed. 4, 1890, *ibid.*; f. 81 reversed.)

1876. The Aquarium; its inhabitants, structure, and management. 8°. London. [pp. 246–248, 250–253, ff. 179, 180, 185, 186.]

(*Ibid.* eds. 1881 and 1884.)

Taylor, *Thomas.*

1909–10. History of Animals (1909). Parts of Animals (1910). *See* ARISTOTLE.

Tellkampf, *Theodor A.*

1871. Notes on the *Ascidia manhattensis,* De Kay, and on the *Mammaria manhattensis. Ann. Lyceum New York,* X, (1874), pp. 83–91, pl. iii.

1873. *Arch. Naturg.* XXXIX, II, p. 217.

[**Templeton,** *Robert.*] "C. M."

1834. Illustrations of some species of British Animals which are not generally known, or have not hitherto been described. *Mag. Nat. Hist.* (1) VII, pp. 129–131. [pp. 129–130 (*Ascidiæ*).]

Théel, *Johan Hjalmar.*

1907. Om utvecklingen af Sveriges zoologiska hafsstation Kristineberg och on djurlifvet i angränsande haf och fjordar. *Arkiv Zool.* IV, 5, 136 pp., 5 pls., 3 charts. [pp. 39, 95–96; 103–125 *passim* (16 sps.).]

1909. Om Plankton och ämnesomsättningen i hafvet. *Svenska Vet.-Akad. Arsbok,* 1909, pp. 221–249, 39 figs. [p. 227, ff. 16–18.]

Theophiloff, *St.*

1892. Zur Phylogenie der Tunicaten. Jena. (*Fide* Matzdorff.)

Thesing, *C.*

1905. Autotomie oder Selbstverstümmelung bei Tieren. *Naturw. Wochenschr.* 1905, pp. 321–325, 2 figs. [p. 321.]

Thiele, *Johannes.*

1891. Die Stammesverwandtschaft der Mollusken. Ein Beitrag zur Phylogenie der Tiere. *Jena. Zeitschr. Naturw.* XXV, pp. 480–544. [p. 484.]

Thienemann, *August.*

1909. Die Stufenfolge der Dinge, der Versuch eines natürlichen Systems der Naturkörper aus dem achtzehnten Jahrhundert. *Zool. Annalen,* III (1910), pp. 185–274, 3 tables. [p. 213, table iii.]

Thienemann, *Friedrich August Ludwig.*

1828. Lehrbuch der Zoologie. 8°. Berlin. [pp. 32–33.]

Thomé, *Otto Wilhelm.*

1872. Lehrbuch der Zoologie . . . 8°. Braunschweig. [pp. 350, 353–355, ff. 313, 314 (*Salpa* and *Clavelina*).]

1886. Lehrbuch der Zoologie . . . Ed. 5. 8°. Braunschweig. [pp. 102, 240–241, ff. 218, 219 (*Salpa* and *Clavelina*).]

1897. Buch der Natur. *See* Schoedler, F.

Thompson, *D'Arcy Wentworth.*

1885. A Bibliography of Protozoa, Sponges, Cœlenterata, and Worms, including also the Polyzoa, Brachiopoda, and Tunicata, for the years 1861–1883. 8°. Cambridge. [pp. 257–265.]

1898. On a supposed resemblance between the Marine Faunas of the Arctic and Antarctic Regions. *Proc. Roy. Soc. Edinb.* XXII (1900), pp. 311–349. [pp. 334, 336, 348 (*Pyrosoma spinosum*).]

1910. The Works of Aristotle translated into English under the editorship of J. A. Smith and W. D. Ross. Vol. IV. Historia Animalium. By D'A. W. T. 8°. Oxford. [§§ 528[a], 531[a], 535[a], 547[b], 588[b].]

Thompson, *Isaac C.*

1886. First Report on the Marine Fauna in the neighbourhood of Penmaenmawr. (In) Fauna of Liverpool Bay, I, pp. 315–317. 8°. Liverpool. [p. 317 (4 sps.).]

THOMPSON, *I. C.*

1889. Report on a collection of tow-net gatherings . . . on the West Coast of Norway . . . *Trans. Liverp. Biol. Soc.* III, pp. 78–86. [p. 83 (*Appendicularia*).]

1900. Report on two collections of tropical and more northerly Plankton. *Trans. Liverp. Biol. Soc.* XIV, pp. 262–294, pl. xv (map), 2 tables, 3 figs. [p. 268 (*Salpæ*).]

Thompson, *John Vaughan.*

1829-30. Zoological Researches and Illustrations; or Natural History of nondescript or imperfectly known Animals. Vol. I (6 memoirs). 8°. Cork, 1828–34. 3 (1829). On the luminosity of the Ocean; . . . pp. 37–61. [pp. 40–46 (*Pyrosoma pygmæa*).] 5 (1830). On Polyzoa, a new Animal discovered as an inhabitant of some Zoophytes . . . pp. 89–100. [p. 91.]

1830–31. *Bull. Sci. nat. géol.* XX (1830), pp. 312–318 [pp. 313, 315–316]; XXIV (1831), pp. 79–82 [pp. 80, 82].

Thompson, *William.*

1840. Contributions towards a knowledge of the Mollusca Nudibranchia and Mollusca Tunicata of Ireland. *Ann. Nat. Hist.* (1) V, pp. 84–102, pl. ii. [pp. 93–96 (18 sps.).]

1844. Additions to the Fauna of Ireland. *Ann. Nat. Hist.* (1) XIII, pp. 430–440. [pp. 434–435 (11 sps.).]

1844. Report on the Fauna of Ireland: Div. Invertebrata. *Rep. Brit. Assoc.* 1843, pp. 245–291. [pp. 264–265 (32 sps.).]

1846. Additions to the Fauna of Ireland. *Ann. Nat. Hist.* (1) XVIII, pp. 383–397. [pp. 385–386 (2 sps.).]

1848. Additions to the Fauna of Ireland. *Ann. Nat. Hist.* (2) I, pp. 62–67. [pp. 63–64 (6 sps.).]

1853. Supplementary Report on the Fauna of Ireland. *Rep. Brit. Assoc.* 1852, pp. 290–296. [p. 293 (11 sps.).]

1856. The Natural History of Ireland. 4 vols. 8°. London, 1849–56. [IV, pp. 359–364 (42 sps.).]

Thomson, *Sir Charles Wyville.*

1877. The Voyage of the 'Challenger.' The Atlantic . . . 2 vols. 8°. London. [I, p. 186; II, pp. 84–87 (*Pyrosoma*).]

Thomson, *John Arthur.*

1889. Evolution of Sex. *See* GEDDES, P., & J. A. THOMSON. (In. Add.)

1892. Outlines of Zoology. 8°. Edinburgh & London. [Table opp. p. 1, pp. xvi, 2, 5, 9, 30, 74, 345–348, 357–363, diagram xix.]

THOMSON, *J. A.*

1892. The Study of Animal Life. 8°. London. [pp. 9, 12, 249, 250–252.]

1893. Experimental Embryology. *Trans. Scott. Micr. Soc.* I, pp. 88–103. [pp. 91, 92–93.]

1895. Experimental Embryology. Part II. *Trans. Scott. Micr. Soc.* I, pp. 130–144. [pp. 136, 141.]

1910. Outlines of Zoology. Ed. 5. 8°. Edinburgh, Glasgow, & London. [pp. xxii, 6, 7, 15, 16, 443–458, 464, 472, 475, 795, ff. 8, 19^2, 240–247.]

Thorell, *Tord Tamerlan Theodor.*

1859. Bidrag till kännedomen om Krustaceer, som lefva i arter af slägter *Ascidia* L. *Svenska Vet.-Akad. Handl.* (N. F.) III, 8, 84 pp., 14 pls.

1863. Recherches sur les Crustacés qui vivent dans les espèces du genre *Ascidia*. *Arch. Sci. phys. nat.* (N. S.) XVI, pp. 235–237.

1859. Till kännedomen om vissa parasitiskt lefvande Entomostraceer. *Oefvers. Svenska Vet.-Akad. Förh.* XVI (1860), pp. 335–362. [pp. 336–337, 340, 341–344, 347, 349–350, 359.]

Thurius, *Nic. Marescalcus.*

1520. Historia aquatilium latine et grece cum figuris. fol. Rostock. (*Fide* Seeliger.) [*Non* Lib. II, cap. xvi (*Salpa.*)]

Thurston, *Edgar.*

1887. Preliminary Report on the Marine Fauna of Rámés-waram and the neighbouring Islands. (*Madras Government Museum.*) 8°. Madras. [p. 7, pl. i, f. 2 (*Salpa*).]

Tilesius, *Wilhelm Gottlieb von.*

1802. Abbildung und Beschreibung eines neuen Seebeutels aus dem atlantischen Ocean, *Tethys vagina*. *Jahrb. Naturg.* I, pp. 150–165.

1802. Abbildung und Beschreibung eines sonderbaren Seebeutels. *Jahrb. Naturg.* I, pp. 166–177.

Todaro, *Francesco.*

1875. Sullo sviluppo e sull'anatomia delle Salpe. *Atti Accad. Lincei* (2), I, pp. xiv–xvi.

1876. The development of the *Salpa*. *Monthly Micr. Jrn.* XVI, p. 97.

1875. Sopra lo sviluppo e l'anatomia delle Salpe. *Atti Accad. Lincei* (2), Mem. II, pp. 720–792, 5 pls. (And) *Ric. Labor. Anat. Roma*, II, pp. 3–69, pls. i–v.

1875. *Salpa pinnata*. *Qrt. Jrn. Micr. Sci.* (2) XV, p. 87.

TODARO, *F.*

1880. Sui primi fenomeni dello sviluppo delle Salpe. [1.] *Atti Accad. Lincei* (3), Trans. IV, pp. 86–89.

1880. Early developmental phenomena of the *Salpæ*. *Jrn. R. Micr. Soc.* III, p. 419–420.

1881. *Zool. Jahresb.* 1880, III, p. 2.

1882. Sui primi fenomeni dello sviluppo delle Salpe. [2.] *Atti Accad. Lincei* (3), Trans. VI, pp. 309–315.

1882. Sur les premiers phénomènes du développement des Salpen. 2. (Transl.) *Arch. Ital. Biol.* II, 1, pp. 1–9.

1883. Early development of Salpidæ. *Jrn. R. Micr. Soc.* (2) III, pp. 41–42.

1883. *Zool. Jahresb.* 1882, III, pp. 11–12.

1887. *Arch. Naturg.* LI, II, 3, pp. 132–133.

1883. Sui primi fenomeni dello sviluppo delle Salpe. [3.] *Atti Accad. Lincei* (3), Trans. VII, pp. 294–297.

1883. Sur les premiers phénoménes du developpement des Salpes. 3. (Transl.) *Arch. Ital. Biol.* III, 3, pp. 361–365.

1883. Sopra una nuova forma di *Salpa* (*S. dolicosoma*). *Atti Accad. Lincei* (3), Trans. VIII (1884), pp. 41–43.

1884. Sopra i canali e le fessure branchiali delle Salpe. *Atti Accad. Lincei* (3), Trans. VIII, pp. 348–350.

1887. Studî ulteriori sullo sviluppo delle Salpe. Pt. 1. *Atti Accad. Lincei* (4), Mem. I, pp. 641–680, pls. i–iii, 5 text-figs.

1888. Sull'omologia della branchia delle Salpe con quello degli altri Tunicati. Nota 1. *Atti Accad. Lincei* (4), Rend. IV, II, pp. 437–444, 2 figs.

1888. Sur l'origine phylogénétique des yeux des Vertébrés et sur la signification des épiphyses et des hypophyses de leur cerveau; de la fosse cilée et de la glande de Hancock des Tuniciers. *Arch. Ital. Biol.* IX, pp. 55–57.

1893. *Zool. Jahresb.* 1892, Tunicata, pp 5–6.

1897. *Arch. Naturg.* LIX, II, 3, pp. 7–8.

1889. De l'homologie de la branchie des Salpes avec celle des autres Tuniciers. (Transl.) *Arch. Ital. Biol.* XI, pp. 369–379, 2 figs.

1889. Branchial homologies of *Salpa*. *Jrn. R. Micr. Soc.* 1889, p. 376.

1891. *Zool. Jahresb.* 1889, Tunicata, p. 5.

1893. Sull'organo visivo delle Salpe. *Atti Accad. Lincei* (5), Rend. II, II, pp. 374–381, 1 fig.

1894. Visual organ of *Salpa*. *Jrn. R. Micr. Soc.* 1894, p. 331.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 23–25.

Todaro, *F.*

1897. Sopra lo sviluppo della parte anteriore del corpo delle Salpe. *Atti Accad. Lincei* (5) Rend. VI, 1, pp. 54–61, 1 fig.

1897. Development of anterior portion of *Salpa*. *Jrn. R. Micr. Soc.* 1897, pp. 114–115.
1898. *Zool. Jahresb.* 1897, Tunicata, pp. 4–5.
1901. *Arch. Naturg.* LXI, II, 3, pp. 151–152.

1900. La moltiplicazione delle sfere di segmentazione dell'ovo nelle Salpe. (*Verh. anat. Ges.* XIV.) *Anat. Anzeig.* XVIII, pp. 194–202, 3 figs.

1901. Follicular cells of *Salpa*. *Jrn. R. Micr. Soc.* 1901, pp. 27–28.
1904. *Arch. Naturg.* LXIII, II, 3, pp. 164–165.

1901. L'organo renale delle Salpe. (Sunto.) *Monit. Zool. Ital.* XII, pp. 174–176.

1904. *Arch. Naturg.* LXIII, II, 3, p. 154.

1902. Sopra gli organi escretori delle Salpidi. *Atti Accad. Lincei* (5) XI, 1, pp. 405–417, 8 figs.

1902. Sur les organes excréteurs des Salpidés. (Transl.) *Arch. Ital. Biol.* XXXVIII, pp. 33–48, 8 figs.

1903. *Zool. Jahresb.* 1902, Tunicata, pp. 5–6.
1904. *Arch. Naturg.* LXIII, II, 3, pp. 134–135.

1907. Sopra un particolare organo di senso delle Salpidæ. *Atti Accad. Lincei* (5), Rend. XVI, 1, pp. 575–576.

1907. Sense-organs in Salpidæ. *Jrn. R. Micr. Soc.* 1907, p. 541.
1910. *Arch. Naturg.* LXXIV, II, 3, p. 8.

1908. Sopri i nuovi organi di senso delle Salpe. *Atti Soc. Ital.*, Progr. Sci. Riun. I, p. 279.

Todd, *Reginald Austen.*

1900. Fauna of Salcombe estuary. *See* Allen, E. J., & R. A. Todd. (In Add.)

1902. Fauna of Esk estuary. *See* Allen, E. J., & R. A. Todd.

1903. Notes on the Invertebrate Fauna and Fish-food of the bays between the Start and Exmouth. *Jrn. Marine Biol. Assoc.* (N. S.) VI, pp. 541–561.

1907. *Arch. Naturg.* LXIII, II, 3, p. 584.

1906. Marine Zoology. (In) Victoria History of the County of Devon. I, pp. 131–158. 8°. London. [pp. 157–158 (38 sps.).]

Tournefort, *Joseph Pitton de.*

1700. Institutiones rei Herbariæ. Ed. 2. 3 vols. 4°. Parisiis. [I, p. 576 (*Alcyonium*).]

1703. Corollarium Institutionum rei Herberiæ. 4°. Parisiis. [p. 40 (*Alcyonium*).]

Traustedt, *M. P. A.*

1880. Genera und species von Ascidiæ simplices. *Zool. Anzeig.* III, pp. 467–469.

1880. Oversigt over de fra Denmark og dets nordlige Bilande kjendte Ascidiæ simplices. *Vid. Medd. For. Kjöbenh.* 1879–80, pp. 397–443 (20 sps.).

1881. *Zool. Jahresb.* 1881, III, pp. 1–2.

1882. Vestindiske Ascidiæ simplices. 1. Phallusidæ. *Vid. Medd. For. Kjöbenh.* 1881, pp. 257–288, pls. iv, v. [7 new sps.]

1883. *Zool. Jahresb.* 1882, III, pp. 9–10.
1883. *Zool. Record,* XIX, Moll. pp. 102–103.

1883. Die einfachen Ascidien (Ascidiæ simplices) des Golfes von Neapel. *Mitth. zool. Stat. Neapel,* IV, 4, pp. 448–488, pls. xxxiii–xxxvii. [31 sps.]

1884. Simple Ascidians of the Bay of Naples. *Jrn. R. Micr. Soc.* (2) IV, p. 214.
1887. *Arch. Naturg.* LI, II, 3, pp. 135–136.

1883. Vestindiske Ascidiæ simplices. 2. Molgulidæ og Cynthiadæ. *Vid. Medd. For. Kjöbenh.* 1882, pp. 108–136, pls. v, vi.

1884. *Zool. Jahresb.* 1883, IV, pp. 19–20.
1887. *Arch. Naturg.* LI, II, 3, pp. 142–143.

1884. Ascidiæ simplices fra det stille Ocean. *Vid. Medd. For. Kjöbenh.* 1883, pp. 1–60, pls. i–iv. [70 sps.]

1885. Spolia Atlantica. Bidrag til Kundskab om Salperne. *Danske Vid. Selsk. Skrift.* (6) II (1886), pp. 337–400, 2 pls.

1887. Kara-Havets Söpunge (Ascidiæ simplices). (In) Dijmphna-Togtets zoologisk-botaniske Udbytte. . . . ved Dr. Chr. Fr. Lütken, pp. 419–437, pls. xxxvi–xxxix. 8°. Kjöbenhavn. [8 sps.]

1891. *Arch. Naturg.* LIV, II, 3, p. 6.

1893. Ascidiæ simplices. (In) Det videnskabelige Udbytte af Kanonbaaden "Hauch"s Togter . . . 1883–1886, ved C. G. J. Petersen, pp. 307–316. 4°; Atlas, fol. Kjöbenhavn, 1889–93. [20 sps.]

1893. Die Thaliacea der Plankton-Expedition. A. Systematische Bearbeitung. (In) Ergebn. der Plankt.-Exped. der Humboldt-Stiftung. II, E. a. A. 16 pp., pl. i. 4°. Kiel & Leipzig.

Traustedt, *M. P. A., & W.* **Weltner.**

1894. Bericht über die von Herrn Dr. Sander gesammelten Tunicaten. *Arch. Naturg.* LX, I, pp. 10–14, pl. ii.

1894. Tunicata collected by Dr. Sander. *Jrn. R. Micr. Soc.* 1894, p. 183.

Trautzsch, *Hermann.*

1889. Das System der Zoologie mit Berüchsichtigung der vergleichenden Anatomie. 8°. Stuttgart. [pp. 62–64.]

Trinchese, *Salvatore.*

1881. Nuove contribuzioni alla storia delle Ascidiæ composte del golfo di Napoli. *Atti Accad. Lincei* (3), Trans. VI (1882), 1, pp. 14–15.

1883. Compound Ascidians of the Bay of Naples. *Jrn. R. Micr. Soc.* (2) III, pp. 42–43.

1883. Terminazione dei nervi ne'muscoli delle Salpe. *Rend. Accad. Sci. Napoli,* XXII, 3, pp. 94–95.

Troschell, *Franz Hermann.*

1840–43. Bericht über die Leistungen in der Naturgeschichte der Mollusken. *Arch. Naturg.* II. Jahr. 1839, VI, pp. 198–217 (1840). [p. 217.] 1840, VII, pp. 259–281 (1841). [pp. 280–281.] 1841, VIII, pp. 372–406 (1842). [pp. 404–406.] 1842, IX, pp. 115–148 (1843). [p. 148.]

1843. Handbuch der Zoologie. *See* Wiegmann, A. F. A., & J. F. Ruthe.

1845. Mollusca. (In) Reports on the progress of Zoology and Botany, 1841, 1842, pp. 162–193. (*Ray Society.*) 8°. London. [p. 193.]

1847–49. Bericht über die Leistungen in der Naturgeschichte der Mollusken. *Arch. Naturg.* II. Jahr 1846, XIII, pp. 368–408 (1847). [pp. 405–408.] 1847, XIV, pp. 213–256 (1848). [pp. 255–256.] 1848, XV, pp. 76–106 (1849). [pp. 105–106.]

1851–55. Bericht über die Leistungen im Gebiete der Naturgeschichte der Mollusken. *Arch. Naturg.* II. Jahr 1850, XVII, pp. 100–144 (1851). [p. 144.] 1851, XVIII, pp. 257–307 (1852). [pp. 304–307.] 1852, XIX, pp. 90–140 (1853). [pp. 138–140.] 1853, XX, pp. 145–188 (1854). [pp. 187–188.] 1854, XXI, pp. 452–486 (1855). [pp. 485–486.]

1856–71. Bericht über die Leistungen in der Naturgeschichte der Mollusken. *Arch. Naturg.* II. Jahr 1855, XXII, pp. 90–120 (1856). [pp. 118–120.] 1858, XXV, pp. 256–296 (1859). [p. 296.] 1859, XXVI, pp. 315–356 (1860). [p. 356.] 1860, XXVII, pp. 159–214 (1861). [p. 214.] 1861, XXVIII, pp. 225–272 (1862). [p. 262.] 1862, XXIX (1863). [pp. 718–719.] 1863, XXX, pp. 257–306 (1864). [p. 306.] 1864, XXXI, pp. 119–164 (1865). [p. 164.] 1865, XXXII, pp. 220–280 (1866). [pp. 279–280.] 1866, XXXIII, pp. 79–120 (1867). [p. 120.] 1867, XXXIV, pp. 109–158 (1868).

Troschell, *F. H.*

[pp. 157–158.] 1868, XXXV, pp. 58–104 (1869). [pp. 103–104.] 1869, XXXVI, pp. 517–583 (1870). [p. 583.] 1870, XXXVII, pp. 113–160 (1871). [pp. 159–160.]

1871. Handbuch der Zoologie. Ed. 7. 8°. Berlin. [pp. 665–674.]

1872–82. Bericht über die Leistungen in der Naturgeschichte der Mollusken. *Arch. Naturg.* II. Jahr 1871, XXXVIII, pp. 127–188 (1872). [pp. 187–188.] 1872, XXXIX, pp. 168–220 (1873). [pp. 214–220.] 1873, XL, pp. 201–252 (1874). [pp. 251–252.] 1874, XLI, pp. 123–172 (1875). [pp. 171–172.] 1875, XLII, pp. 85–143 (1876). [pp. 141–143.] 1876, XLIII, pp. 161–220 (1877). [pp. 219–220.] 1877, XLIV, pp. 157–218 (1878). [pp. 217–218.] 1878, XLV, pp. 319–380 (1879). [pp. 378–380.] 1880, XLVII, pp. 330–388 (1881). [pp. 387–388.] 1881, XLVIII, pp. 457–514 (1882). [pp. 513–514.]

Troschel, *F. H., & Johann Friedrich* **Ruthe.**

1853. Handbuch der Zoologie. Ed. 3. 8°. Berlin. [pp. 585–589.]

Trouessart, *Édouard Louis.*

1890. La Géographie zoologique. 8°. Paris. [pp. 151, 298.]

Trybom, *Filip.*

1882. Iakttagelser om det lägre djurlifet på de platser utanför Bohuslåns kust, der sillfiske med drifgarn bedrefs vintern 1880–1881. *Oefvers. Svenska Vet.-Akad. Förh.* XXXVIII, 1881, III, pp. 33–43. [p. 43 (*Ascidia obliqua*).]

Tuckey, *James Kingston.*

1818. Narrative of an Expedition to explore the River Zaire, usually called the Congo, . . . in 1816. 4°. London. [p. 48 (*Salpæ*).]

Tulk, *Alfred.*

1844. Organization of the Invertebrate Animals. *See* Quatrefages, J. L. A. de.

1847. Physiophilosophy. *See* Oken, L.

Tullberg, *Tycho.*

1892. Ueber Konservirung von Evertebraten in ausgedehntem Zustand. *Biol. Fören. Förh.* IV, pp. 4–9. [p. 8 (*Ciona intestinalis*).]

Turner, *Sharon.*

1832. The Sacred History of the World. 3 vols. 8°. London, 1832–37. [I, pp. 299-301.]

Turquet, *J.*

1906. La Vie animale au Pôle Sud. (In) Le "Français" au Pôle Sud, pp. 415–433. Par J. B. Charcot. 4°. Paris. [pp. 420–421.]

Turton, *William.*

1802. System of Nature. *See* Linnæus, C.

1807. The British Fauna, containing a compendium of the Zoology of the British Islands: . . . I (all publ.). 12°. Swansea. [pp. 132, 207–208.]

U.

Uexkeull, *Jacob von.*

1905. Leitfaden in das Studium der experimentellen Biologie der Wasserthiere. 8°. Weisbaden. [pp. 122–123.]

Ulianin, *Basil N.*

1881. Ueber die embryonale Entwickelung des *Doliolum*. *Zool. Anzeig.* IV, pp. 473–476, 575.

1881. Development of *Doliolum*. *Jrn. R. Micr. Soc.* (2) I, pp. 879–880.

1882. *Zool. Jahresb.* 1881, III, p. 2.

1882. [On the development and reproduction of *Doliolum*.] (In Russian.) 100 pp., 1 pl. 8°. Mosca.

1882. Zur Naturgeschichte des *Doliolum*. *Zool. Anzeig.* V, pp. 429–436, 447–453.

1882. Natural History of *Doliolum*. *Jrn. R. Micr. Soc.* (2) II, pp. 768–769.

1882. Sur l'histoire naturelle du *Doliolum*. *Arch. Zool. expér.* X, pp. liv–lix.

1883. *Zool. Jahresb.* 1882, III, pp. 15–16.

1883. Einige Worte über Fortpflanzung des *Doliolum* und der *Anchinie*. *Zool. Anzeig.* VI, pp. 585–591.

1884. Die Arten des Gattung *Doliolum* im Golfe von Neapel und den angrenzen den Meeresabschnitten. (In) Fauna und Flora des Golfs von Neapel, X, 140 pp., 12 pls., 11 text-figs. 4°. Leipzig. [4 sps.]

1885. *Doliolum*. *Jrn. R. Micr. Soc.* (2) V, pp. 231–233.

1885. *Zool. Jahresb.* 1884, IV, pp. 6–8.

1885. Bemerkungen über die Synascidiengattung *Distaplia* D. V. *Zool. Anzeig.* VIII, pp. 40–44.

1885. Structure of *Distaplia*. *Jrn. R. Micr. Soc.* (2) V, p. 233.

Ussow, *Michael Michaelovich.*

1874. [Researches on the structure and development of the Tunicata.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* V, 1, pp. xxii–xxix, xxxviii–xliv.

1874. Zoologische-embryologische Untersuchungen. *Arch. Naturg.* XL, 1, pp. 329–372. [pp. 329, 362, 364.]

1875. Zoologische-embryologische Untersuchungen. Die Mantelthiere. *Arch. Naturg.* XLI, 1, pp. 1–18.

1875. Zoologico-embryological Investigations. Transl. by W. S. Dallas. *Ann. Nat. Hist.* (4) XV, pp. 97–113, 209–221, 317–333. [pp. 97, 217, 218, 321–333.]

1876. [Contributions to the knowledge of the organization of the Tunicata.] (In Russian.) *Trans. Nat. Soc. Moscow,* XVIII, II, 62 pp., 9 pls.

1876. [On the structure of the endostyle in the Tunicata.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* VII, pp. lxxv–lxxviii.

1878. [List of the floating and fixed Tunicata of the Black Sea.] (In Russian.) *Trav. Soc. Nat. St. Pétersb.* IX, 1, pp. 14–15. [10 sps.]

V.

Valenciennes, *Achille.*

1849. Circulation chez les Mollusques. *See* Edwards, H. M., & A. Valenciennes.

1864. Observations sur les Animaux marins qui s'attachent aux vaisseaux. *Compt. rend. Acad. Sci.* LIX, pp. 61–64. [*Ascidia clavata.*]

Vallentin, *Rupert.*

1893. Some remarks on the pelagic life occurring in and near Falmouth Harbour, with additions to the Fauna of the district. *Jrn. R. Inst. Cornwall,* XI (1895) 2, pp. 304–326. [pp. 312, 318, 320, 322.]

1896. Some notes on the pelagic life occurring in the Sea near Falmouth, with fauna notes on the district. *Jrn. R. Inst. Cornwall,* XII, 2, pp. 204–214. [pp. 204, 209–211, 213.]

1898. Notes on the Fauna of Falmouth for the years 1895–96. *Jrn. R. Inst. Cornwall,* XIII (1899) 3, pp. 254–271. [pp. 258, 259, 266, 267 (*Doliolum* and *Appendicularia*).]

1900. Notes on the Fauna of Falmouth, . . . 1898–99. *Jrn. R. Inst. Cornwall,* XIV (1901), 1, pp. 196–209, and table. [Table (*Appendicularia*).]

VALLENTIN, *R.*

1902. Notes on the Fauna of Falmouth for 1900. *Jrn. R. Inst. Cornwall,* XV (1903), I, pp. 79–85, and table. [Table (*Appendicularia*).]

1904. On the Marine Fauna of the Isles of Scilly. Part II. The Shore Fauna. *Jrn. R. Inst. Cornwall,* XVI (1905), 1, pp. 128–130. [p. 131 (*Oikopleura*).]

Vandelli, *Domingos.*

1758. Dissertationes tres. De Aponii Thermis, de nonnullis Insectis terrestribus, et Zoophytis marinis, . . . 8°. Patavii. [pp. 84–87 (cap. iv).]

1761. Epistola de Holothurio et Testudine coriaceâ. 12 pp., 2 pls. 4°. Patavii. [pp. 4–7, pl. i.]

Van der Hoeven, *Jan.*

See HOEVEN, J. van der.

Vanhoeffen, *Ernst.*

1893. Bericht über botanische und zoologische Beobachtungen im Gebiet des Umamak-Fjords. (In) Gronland-Exped. d. Ges. f. Erdkunde, 3. *Verh. Ges. Erdkunde Berlin,* XX, pp. 338–353. [p. 341 (*Appendiculariæ*).]

1894. Biologische Beobachtungen während der Heimreise der Expedition von Grönland. (In) Gronland-Exped. d. Ges. f. Erdkunde, 2. *Verh. Ges. Erdkunde Berlin,* XXI, pp. 143–150. [pp. 146, 149–150.]

1895. Ueber grönländisches Plankton. *Verh. Ges. deutsch. Naturf.* LXVI, II, 1, pp. 133–135. [p. 135.]

1896. Schwarmbildung im Meere. *Zool. Anzeig.* XIX, pp. 523–526. [p. 524 (*Salpæ*).]

1897. Die Fauna und Flora Grönlands. (In) Grönland-Expedition der Gesellschaft für Erdkunde zu Berlin 1891–1893. 2 vols. II, 1, pp. 1–383, 8 pls., map, 30 text-figs. 4°. Berlin. [pp. 183–185, 291 (21 sps.), ff. 11*a*, 11*b* (*Phallusia prunum*).]

1902. Biologische Untersuchungen. (In) Die Deutsche Südpola-Expedition . . . *Ver. Inst. Meeresk. Berlin,* I, pp. 55–72 [pp. 66–72 *passim*]; II, pp. 39–45 [p. 42 (*Salpa fusiformis*).]

1903. Biologischer Bericht. (In) Die Deutsche Südpola-Expedition . . . *Ver. Inst. Meeresk. Berlin,* V, pp. 143–154. [pp. 146, 151, 154.]

1905. *Arch. Naturg.* LXIV, II, 3, p. 126.

VANHOEFFEN, *E.*

1904. Die Tierwelt des Südpolargebiets. *Zeitschr. Ges. Erdkunde Berlin,* 1904, pp. 362–370, ff. 22–32. [p. 370 (*Appendiculariæ* and *Salpa*).]

1905. Einige zoogeographische Ergebnisse der Deutschen Südpolar-Expedition. *Deutsch. Geograph.* 1905, pp. 14–19.

1908. Vorwort. (In) Deutsche Südpolar-Expedition, 1901–1903. fol. Berlin. IX, Zool. I, pp. v–xii. [pp. viii, x (*Salpæ*).]

Van Name, *Willard G.*

1901. The Ascidians of the Bermuda Islands. *Trans. Connect. Acad.* XI (1902), 1, pp. 325–412, pls. xlvi–lxiv. [38 sps.]

1902. Ascidians of Bermudas. *Jrn. R. Micr. Soc.* 1902, p. 548.

1903. *Zool. Jahresb.* 1902, Tunicata, p. 2.

1904. *Arch. Naturg.* LXIII, II, pp. 206–207.

1910. Compound Ascidians of the coasts of New England and neighbouring British Provinces. *Proc. Boston Soc. Nat. Hist.* XXXIV, pp. 339–424, pls. xxxiv–xxxix, 25 text-figs. [15 sps.]

Vanstone, *J. Henry.*

1894. The Estuary of the Crouch. *Sci. Gossip,* (N. S.) I, p. 229. [3 sps.]

Vayssière, *Albert.*

1890. Atlas d'Anatomie comparée des Invertébrés. 4°. Paris. [pl. xvi, with descr. 2 pp.]

Verany, *Giovanni Batta.*

1846. Catalogo degli Animali invertebrati marini del Golfo di Genova e Nizza. 8°. Genova. [pp. 12–13 (25 sps.).]

Vernon, *Horace Middleton.*

1895. The respiratory exchange of the lower Marine Invertebrates. *Jrn. Physiol.* XIX (1895–96), 1–2, pp. 18–70, 13 figs. [pp. 25, 29–62 *passim,* ff. 9, 10 (*Salpæ*).]

1899. *Arch. Naturg.* LX, II, 3, pp. 37–38.

1898. The physiological Evolution of the warm-blooded Animals. *Sci. Progress,* VII, pp. 378–394. [p. 379 (*Salpæ*).]

1900. L'évolution physiologique chez les Animaux à sang chaud. *Année biol.* IV, pp. 353–357. [p. 353.]

1899. The death temperature of certain Marine Organisms. *Jrn. Physiol.* XXV (1899–1900) 2, pp. 131–136. [pp. 132–134 *passim* (*Salpa africana*).]

1904. *Arch. Naturg.* LXIII, II, 3, p. 174.

Verrill, *Addison Emory.*

1870. Glycerine for preserving natural colours of Marine Animals. *Amer. Naturalist,* III, p. 156. [*Ascidiæ.*]

1870. On the parasitic habits of Crustacea. *Amer. Naturalist,* III, pp. 239–250. [p. 249.]

1870. Parasites of Ascidians. *Amer. Naturalist,* III, p. 383.

1870. Recent explorations of the deep-sea Faunæ. *Amer. Jrn. Sci. Arts,* (2) XLIX, pp. 129–134. [p. 130.]

1870. Report on the Invertebrata of Massachusetts. (Ed. 2, Tunicata by L. & A. Agassiz, reviewed.) *Amer. Jrn. Sci. Arts,* (2) XLIX, pp. 423–426. [pp. 423–424.]

1871. Descriptions of some imperfectly known and new Ascidians from New England. *Amer. Jrn. Sci. Arts,* (3) I, pp. 54–58, 93–100, 211–212, 288–294, 443–446, 26 figs. (24 sps.).

1872. *Arch. Natury.* XXXVIII, II, p. 188.

1871. On the Distribution of Marine Animals on the southern coast of New England. *Amer. Jrn. Sci. Arts,* (3) II, pp. 357–362. [pp. 359–362.]

1872. Recent additions to the Molluscan Fauna of New England and adjacent waters, with notes on other species. *Amer. Jrn. Sci. Arts,* (3) III, pp. 209–214, 281–290, pls. vi–viii. [pp. 211–214, 288-290, pl. viii, ff. 2–9 (23 sps.).]

1873. Results of recent dredging expeditions on the coast of New England. [Nos. 1, 2.] *Amer. Jrn. Sci. Arts,* (3) V, pp. 1–16, 98–106. [pp. 5, 10, 12.]

1873. Results of recent dredging operations on the coast of New England. No. 3. *Amer. Jrn. Sci. Arts,* (3) VI, pp. 435–441. [p. 440.]

1874. Explorations of Casco Bay by the U. S. Fish Commission, in 1873. *Proc. Amer. Assoc.* XXII, pp. 340–395, 6 pls. [pp. 348–371 *passim,* 390, pl. ii, f. 5 (*Ascidia mollis*).]

1874. Notice of some dredgings made near Salem by Dr. A. S. Packard, jr., and C. Cooke in 1873. *Rep. Peabody Acad. Sci.* VI, pp. 58–60. [pp. 59, 60 (3 sps.).]

1874. Results of recent dredging expeditions on the coast of New England. Nos. 4–7. *Amer. Jrn. Sci. Arts,* (3) VII, pp. 38–46, 131–138, 405–414, 498–505, 608, pls. iv–viii, 3 text-figs. [pp. 39, 43, 46, 132, 133, 409, 413, 499, 504, f. 2 (*Ascidia mollis,* p. 409).]

1875. Results of dredging expeditions off the New England coast in 1874. *Amer. Jrn. Sci. Arts* (3) X, pp. 36–43, 196–202, 1 fig. [p. 41 (*Amaræcium glabrum*).]

VERRILL, *A. E.*

1879. Mulluscoida. (In) Contributions to the Natural History of Arctic America, . . . 1877–78. *Bull. U. S. Nation. Mus.* XV, pp. 147–150. [pp. 147–148 (4 sps.).]

1879. Notice of recent additions to the Marine Invertebrata of the northeastern coast of America, . . . Part I. *Proc. U. S. Nation. Mus.* II (1880), pp. 165–205. [pp. 196–197 (7 sps.).]

1879. Preliminary check-list of the Marine Invertebrata of the Atlantic coast from Cape Cod to the Gulf of St. Lawrence. 8°. New Haven. 32 pp. [43 sps.]

1880. Occurrence of *Ciona ocellata* (*Ascidia ocellata* Ag.) at Newport. *Amer. Jrn. Sci. Arts,* (3) XX, pp. 251–252.

1885. Notice of recent additions to the Marine Invertebrata of the northeastern coast of America, . . . Part V. *Proc. U. S. Nation. Mus.* VIII (1886), pp. 424–448. [pp. 447–448 (*Culeolus Tanneri*).]

1885. Results of the explorations made by the steamer "Albatross" off the northeastern coast of the United States. *Rep. U. S. Fish Comm.* XI, pp. 503–699, 44 pls. [pp. 529–530, pl. xxxi, ff. 144, 145 (*Culeolus Tanneri*), pl. xxxii, ff. 146–150 (*Doliolum* and *Salpa*).]

1900. Additions to the Tunicata and Mollusca of the Bermudas. *Trans. Connect. Acad.* X, 2, pp. 588–594, pl. lxx, ff. 5–8. [pp. 588–592, pl. lxx, ff. 8, text-ff. 7, 8 (7 sps.).]

1901. Additions to the Fauna of the Bermudas from the Yale Expedition of 1901, with notes on other species. *Trans. Connect. Acad.* XI (1902), 1, pp. 15–62, pls. i–ix. [pl. ix, ff. 7, 8 (*Polycarpa* and *Styela*).]

Verrill, *A. E., & R.* **Rathbun.**

1880. List of Marine Invertebrata from the New England Coast distributed by the U. S. Commission of Fish and Fisheries. Series 1. *Proc. U. S. Nation. Mus.* II, pp. 227–232. [pp. 231–232 (18 sps.).]

Verrill, *A. E., & S. J.* **Smith.**

1873. Report upon the Invertebrate Animals of Vineyard Sound and the adjacent waters, . . . *Rep. U. S. Fish Comm.* I, pp. 295–778, pls. i–xxxviii, 4 text-figs. [pp. 311–513 *passim*, 698–707, pl. xxxiii, ff. 246–256.]

Verworn, *Max.*

1897. Allgemeine Physiologie. Ed. 2. 8°. Jena. [pp. 258 (*Pyrosoma*), 320.]

VERWORN, *M.*

1899. General Physiology, an outline of the science of Life. Transl. . . . by F. S. Lee. 8°. London. [pp. 316, 317.]

1900. Physiologie générale. Traduit . . . par E. Hédon. 8°. Paris. [pp. 351, 352.]

Vignon, *P.*

1900. Les cils vibratiles. *Caus. scient. Soc. zool. France,* I, 3, pp. 37–76, 8 figs. [p. 66, f. 3 *pars* (*Phallusia*).]

1905. *Arch. Naturg.* LXIV, II, 3, p. 114.

1901. Recherches de Cytologie générale sur les epithéliums de l'appareil parietal, protecteur, ou moteur. Le rôle de la coordination biologique. *Arch. Zool. expér.* (3) IX, 3, pp. 371–715, pls. xv–xxv, 6 text-figs. [pp. 444–467, pls. xxii, xxiii.]

1904. *Arch. Naturg.* LXIII, II, 3, pp. 159–160.

1901. Sur l'Histologie de la branchie et du tube digestiv, chez les Ascidies. *Compt. rend. Acad. Sci.* CXXXII, pp. 714–716.

1901. Histology of Ascidians. *Jrn. R. Micr. Soc.* 1901, p. 416.
1902. *Zool. Jahresb.* 1901, Tunicata, p. 3.
1904. *Arch. Naturg.* LXIII, II, 3, p. 159.

Villot, *Alfred.*

1891. La classification zoologique dans l'état actuel de la Science. *Rev. biol. Nord. France,* III, pp. 245–261. [p. 260.]

Vinter, (*Miss*) *M. E.*

1897. Aquatic Locomotion. *Trans. Ealing Nat. Sci. Soc.* 1896–97, pp. 12–15. [p. 14 (*Pyrosoma*).]

Virgilius, *Marcellus.*

1523. Medica Materia. *See* DIOSCORIDES, P.

Voges, *Ernst.*

1888. Das Meer. *See* SCHLEIDEN, M. J.

Vogt, *Carl Christoph.*

1851. Zoologische Briefe. Naturgeschichte der lebenden und untergegangenen Thiere, . . . 2 vols. 8°. Frankfurt a. M. [pp. 246, 258–272, ff. 265–285.]

1852. Bilder aus dem Thierleben. 8°. Frankfurt am Main. [pp. 26–90, 246–248, ff. 1–17 (*Salpæ*).]

1853. Observations sur divèrs Mollusques et Zoophytes. *Institut,* XXI, pp. 95–96. [p. 96 (*Salpa*).]

1854. Recherches sur les Animaux inférieurs de la Méditerranée. II. Sur les Tuniciers nageauts de la mer de Nice. *Mém. Inst. Genèv.* II, 3, 102 pp., pls. v–x.

Vogt, *C. C.*

1874. Anatomie comparée. *See* Gegenbaur, C.

1878. *Rhopalasia.* (In) T. A. Brockhaus Bilder Atlas. Zool. Ed. 2, p. 96, pl. xxxi, f. 27. (*Fide* Hartmeyer.)

Vogt, *C. C., & Émil* **Yung.**

1890. Lehrbuch der praktischen vergleichenden Anatomie. 2 vols. 8°. Braunschweig, 1882–94. [II (1889–94), pp. 263–327, ff. 116–137.]

1890. Traité d'Anatomie comparée pratique. 2 vols. 8°. Paris, 1882–94. [II (1894), pp. 268–331, ff. 116–137.]

Vohsen, *Karl.*

1898. Ueber den Gehörsinn. *Ber. Senckenb. nat. Ges.* 1898, pp. 91–112, 2 tables. [Table 1.]

Voigt, *Friedrich Siegmund.*

1823. System der Natur und ihre Geschichte. 8°. Jena. [pp. 521–523 (*Salpa* and *Ascidia*).]

1834–43. Das Thierreich. *See* Cuvier, G. L. C. F. D.

1837. Lehrbuch der Zoologie. 6 vols. 8°. Stuttgart, 1835–40. [III, pp. 339, 543–548.]

Voigt, *Johann Heinrich.*

1805. Ueber das neue Molluskengeschlecht *Pyrosoma*, vom Herrn Péron. *Mag. Naturk.* IX, pp. 3–12, pl. i.

W.

Wackwitz, *Julius.*

1892. Beiträge zur Histologie der Mollusken-Muskulatur, speziell der Heteropoden und Pteropoden. *Zool. Beiträge*, III, pp. 129–150, pls. xx–xxii. [pp. 149–150, pl. xxii, ff. 35, 36 (*Salpa*).]

Wade, *James.*

1842. Systematic Zoology. Grammar and Synopsis of Natural History; . . . (18 leaves, not numbered.) fol. London & Leeds. [ll. 3, 7, 17.]

Wagner, *Franz von.*

1898. M. v. Bocks Behauptungen über die Beziehungen von Teilung und Knospung im Tierreich. *Biol. Centralbl.* XVIII, pp. 130–139. [p. 136 (Salpen).]

Wagner, *Nicolas.*

1866. Recherches sur la circulation du sang chez les Tuniçaires. *Bull. Acad. Sci. St. Pétersb.* X, cols. 399–405, 2 figs.

1867. *Arch. Naturg.* XXXIII, II, p. 120.

Wagner, *N.*

1877. [Ueber seine Reise zum Weissen Meer.] (Resumé.) *Zeitschr. wiss. Zool.* XXVIII, pp. 385–386. [p. 385 (*Chelyosoma*).]

1884. Sur l'organisation de l'Anchinie. *Compt. rend. Acad. Sci.* XCIX, pp. 615–616.

1884. On the Organization of *Anchinia*. (Transl.) *Ann. Nat. Hist.* (5) XIV, pp. 368–369.

1885. *Zool. Jahresb.* 1884, IV, p. 6.

1885. Die Wirbellosen des Weissen Meeres. 4°. Leipzig. I. ix. Die Ascidien des Solowetzkischen Golfes, pp. 121–150. x. Die Organisation anderer Ascidien des Weissen Meeres, pp. 151–167, pls. xv–xxi. [11 sps.]

1886. *Zool. Record*, XXII, Tunicata, pp. 3, 6, 7.

1885. Sur quelques points de l'organisation de l'Anchinie. *Arch. Zool. expér.* (2) III, pp. 151–188, pls. vii–ix.

1890. Ueber das Nervensystem der Tunicaten. *Biol. Centralbl.* X, pp. 425–426.

Wagner, *Rudolph.*

1834–35. Lehrbuch der vergleichenden Anatomie. 8°. Leipzig. [pp. 22, 80–83, 158–159, 194–196, 301–302, 374–375, 564–565, 586.]

1841. Icones Zootomicæ. Handatlas zur vergleichenden Anatomie. fol. Leipzig. [p. 39, pl. xxxi, ff. 22–26.]

1853. Handwörterbuch der Physiologie, . . . 4 vols. (in 5). 8°. Braunsweig. [IV, pp. 978–979 (*Salpæ*).]

Wallich, *George Charles.*

1862. The North-Atlantic Sea-bed: comprising a diary of the voyage on board H.M.S. 'Bulldog,' in 1860; . . . Pt. I (all publ.). 4°. London. [pp. 102, 134 (*Boltenia picta*).]

Walther, *Johannes Kuno.*

1893. Einteilung in die Geologie als historische Wissenschaft. 3 Theil. 8°. Jena, 1893–94. [1, pp. 17, 24, 116, 129, 166; 2, p. 204.]

Warham, *Amy E.*

1893. On variations in the dorsal tubercle of *Ascidia virginia*. *Trans. Liverp. Biol. Soc.* VII, pp. 98–99, pl. vii.

Wasielewski, *Th. von.*

1896. Sporozoenkunde. Ein Leitfaden für Aertze, Tierärzte, und Zoologen. 8°. Jena. [p. 141 (Gregarina in Tunicata).]

Watt, *James.*

1892. On the structure of *Boltenia pachydermatina. Trans. N. Zealand Inst.* XXIV, pp. 334–348, pls. xxxi–xxxiv.

Weber, *Max Carl Wilhelm.*

1902. Introduction et description de l'Expedition. (In) Siboga-Expeditie . . . 1899–1900. III, Monogr. 1, 159 pp., many figs. 4°. Leiden. [p. 53 (*Chelisoma; Culeolus*, fig.)]

1904–5. Siboga-Expedition. *See also* Sluiter, C. P.

Weber van Bosse, *A.*

1905. Ein Jahr an Bord J.M.S. "Siboga." Leipzig. [*Culeolus.*] (*Fide* Matzdorff.)

Wedekind, *W.*

1906. Generationswechsel, Metamorphose, und direkte Entwicklung. *Zool. Anzeig.* XXIX, pp. 790–795. [pp. 792–793, 795.]

Weismann, *Friedrich Leopold August.*

1882. Ueber die Dauer des Lebens. 8°. Jena. [pp. 81–82 (*Ciona intestinalis*).]

1889. Essays upon Heredity and kindred Biological Problems. Transl. ed. by E. B. Poulton, S. Shoenland, & A. E. Shipley. 8°. Oxford. I. The duration of Life, pp. 1–65. [p. 57.]

1892. Das Keimplasma. Eine Theorie der Vererbung. 8°. Jena. [pp. 212–216.]

1893. The Germ-plasm: a Theory of Heredity. Transl. by W. N. Parker & Harriett Roennfeldt. 8°. London. [pp. 160–163.]

Weissenborn, *Bernhard.*

1886. Westküste Norwegens. *See* Kuekenthal, W., & B. Weissenborn.

Wells, *Herbert George, & A. M.* **Davies.**

1892. Text-book of Biology. 2 parts (vols.). 8°. London, 1892–93. [I, p. 96.]

1898. Text-book of Zoology. 8°. London. [pp. 206, 207.]

Weltner, *Wilhelm.*

1894. Gesammelten Tunicaten. *See* Traustedt, M. P. A., & W. Weltner.

Wesenberg-Lund, *Carl Jörgen.*

1909. Animaux dans le Plankton. *See* Ostenfeld, C. H., & C. Wesenberg-Lund.

Wheeler, *William Morton.*

1897. [The Marine Fauna of San Diego Bay, Cal.] *Science,* (N. S.) V, pp. 775–776. [p. 775 (2 sps.).]

White, *T. Charters.*

1877. A contribution to the life-history of *Botrylloides. Jrn. Quekett Micr. Club,* IV, pp. 277–280, pl. xxviii, ff. 1–3.

Whiteaves, *Joseph Frederick.*

1871. Report on a deep-sea dredging expedition to the Gulf of St. Lawrence. 8°. Ottawa. (*Fide* Seeliger.)

1872. Notes on a deep-sea dredging expedition round the Island of Anticosti in the Gulf of St. Lawrence. *Ann. Nat. Hist.* (4) X, pp. 341–354. [p. 348 (4 sps.).]

1873. Report on a second deep-sea dredging expedition to the Gulf of St Lawrence, . . . 8°. Ottawa. (*Fide* Seeliger.)

1874. On recent deep-sea dredging operations in the Gulf of St Lawrence. *Amer. Jrn. Sci. Arts* (3), VII, pp. 210–219. [pp. 214, 216, 217, 218 (12 sps.).]

1874. Report on further deep-sea dredging operations in the Gulf of St. Lawrence. 8°. Ottawa. [p. 12 (15 sps.).]

1887. On some marine Invertebrata dredged or otherwise collected by Dr. G. M. Dawson, in 1885, in the northern part of the Strait of Georgia, in Discovery Passage, Johnston Strait, and Queen Charlotte and Quatsino Sounds, British Columbia. *Proc. Roy. Soc. Canada,* IV, iv, pp. 111–137. [p. 117 (*Cynthia* (*Halocynthia*) *pyriformis*).]

1901. Catalogue of the marine Invertebrata of Eastern Canada. *Geol. Surv. Canada,* IV, 272 pp., 1 fig. [pp. 265–271 (29 sps.).]

1904. *Arch. Naturg.* LXIII, ii, 3, pp. 205–206.

Whitelegge, *Thomas.*

1889. List of the marine and fresh-water Invertebrate Fauna of Port Jackson and the neighbourhood. *Jrn. R. Soc. N. S. Wales,* XXIII, pp. 163–323. [pp. 294–296 (36 sps.).]

Wiedemann, *Christian Rudolph Wilhelm.*

1800. Naturgeschichte der Thiere. *See* Cuvier, G. L. C. F. D.

Wiegmann, *Arend Friedrich August.*

1835. Bericht über die Fortschritte der Zoologie im Jahre 1834. *Arch. Naturg.* I, i, 3, pp. 301–361. [pp. 309–311.]

Wiegmann, *A. F. A., & J. F.* **Ruthe.**

1843. Handbuch der Zoologie. Ed. 2 . . . von F. H. Troschell & J. F. Ruthe. 8°. Berlin. [pp. 595–598.]

Wilbrand, *Johann Bernhard.*

1829. Handbuch der Naturgeschichte des Thierreichs. 8°. Gieffen. [pp. 414–415.]

1833. Allgemeine Physiologie . . . der Pflanzen und der Thiere. 8°. Heidelberg & Leipzig. [p. 281.]

Wilkins, *Christian Friedrich.*

1787. Thierpflanzen. *See* PALLAS, P. S.

Will, *Johann Georg Friedrich.*

1844. Ueber das Leuchten einiger Seethiere. *Arch. Naturg.* X, i, pp. 328–337. [pp. 330–332, 334 (*Ciona intestinalis*).]

1844. Vorlaufige Mittheilung und die Structur der Ganglion den Ursprung der Nerven bei wirbellosen Thieren. *Arch. Anat. Physiol.* 1844, ii, pp. 76–93. [p. 77.]

Willemoës-Suhm, *Rudolf von.*

1876. Preliminary Report . . . on observations made during the earlier part of the voyage of H.M.S. 'Challenger.' *Proc. Roy. Soc. Lond.* XXIV, pp. 569–585. [p. 578 (*Boltenia*).]

Willemoës-Suhm, *R. von, & C. Th. E. von* **Siebold.**

1875. Von der Challenger-Expedition. *Zeitschr. wiss. Zool.* XXV, 2, pp. xxv–xlv. [p. xxxvii (*Pyrosomæ*).]

Willey, *Arthur.*

1892. Observations on the post-embryonic development of *Ciona intestinalis* and *Clavelina lepadiformis*. *Proc. Roy. Soc. Lond.* LI, pp. 513–520, 3 figs.

1892. On the development of the Hypophysis in the Ascidians. *Zool. Anzeig.* XV, pp. 332–334, 1 fig.

1892. Synascidians from Japan. *See* OKA, A., & A. WILLEY.

1893. Report on the occupation of the Table [at the Zoological Station at Naples]. *Rep. Brit. Assoc.* 1892, pp. 345–347. [Ascidians and *Amphioxus*.]

1893. Report on the occupation of the Table [at the Laboratory of the Marine Biological Association at Plymouth]. *Rep. Brit. Assoc.* 1892, pp. 362–363. [Tunicata.]

1893. Studies on the Protochordata. I. On the origin of the branchial stigmata, præoral lobe, endostyle, atrial cavities, &c., in *Ciona intestinalis*, L., with remarks on *Clavelina lepadiformis*. *Qrt. Jrn. Micr. Sci.* (2) XXXIV, 3, pp. 317–360, pls. xxx, xxxi, 6 text-figs.

1897. *Arch. Naturg.* LIX, ii, 3, pp. 12–13.

WILLEY, *A.*

1893. Studies on the Protochordata. II. The development of the neuro-hypophysial system in *Ciona intestinalis* and *Clavelina lepadiformis*, with an account of the origin of the sense-organs in *Ascidia mentula*. *Qrt. Jrn. Micr. Sci.* (2) XXXV (1894), 2, pp. 295–316, pls. xviii–xix.

1893. Studies on the Protochordata. III. On the position of the mouth in the Larvæ of Ascidians and *Amphioxus*, and its relation to the neuroporus. *Qrt. Jrn. Micr. Sci.* (2) XXXV (1894), 2, pp. 316–333, pl. xx.

1894. *Zool. Jahresb.* 1893, Tunicata, pp. 6–7, 9–10. [Above three memoirs.]

1897. *Arch. Naturg.* LIX, II, 3, pp. 13–14. [Above two memoirs.]

1894. *Amphioxus* and the Ancestry of the Vertebrates. Columbia Univ. Biol. Ser. II. 8°. London & New York. [pp. 180–241, ff. 94–112.]

1895. *Zool. Record*, XXXI, Tunicata, p. 5.

1899. *Arch. Naturg.* LX, II, 3, p. 43.

1894. On the Evolution of the præoral lobe. *Anat. Anzeig.* IX, pp. 329–332. [pp. 331–332.]

1894. Evolution of præoral lobe. *Jrn. R. Micr. Soc.* 1894, p. 330.

1896. Letters from New Guinea on *Nautilus* and some other organisms. *Qrt. Jrn. Micr. Sci.* (2) XXXIX (1897), 2, pp. 145–180, 24 figs. [pp. 161–166, 4 figs.]

1897. *Zool. Jahresb.* 1896, Tunicata, p. 4.

1899. *Arch. Naturg.* LX, II, 3, p. 62.

1899. Remarks on some recent work on the Protochordata, . . . *Qrt. Jrn. Micr. Sci.* (2) XLII, 2, pp. 223–244, 3 figs. [pp. 223–225, 231, 238, 239, 243–244.]

1904. *Arch. Naturg.* LXIII, II, 3, pp. 183–184.

1899. Zoological Results based on material from New Britain, New Guinea, Loyalty Islands, and elswhere. Part 3, Enteropneusta from the South Pacific, with notes on the West Indian species. pp. 223–334, pls. xxvi–xxxii. 4°. Cambridge. [pp. 296, 297, 308, 309, 316, 317, 319, 320, 322, 324.]

1899. *Zool. Centralbl.* VIII, pp. 7–22. [p. 20.]

1900. On the protostigmata of *Molgula manhattensis* (De Kay). *Qrt. Jrn. Micr. Sci.* (2) XLIV, 1, pp. 141–160, pl. ix.

1901. *Zool. Jahresb.* 1900. Tunicata, p. 5.

1904. *Arch. Naturg.* LXIII, II, 3, p. 156.

1902. Zoological Results based on material collected in New Britain, New Guinea, Loyalty Islands, and elsewhere. Part 6, Contributions to the Natural History of the Pearly Nautilus, pp. 691–830, pls. lxxv, 1 map. 4°. Cambridge. [pp. 709–712, text-ff. 10, 11 (*Styeloides eviscerans* and *Rhodosoma huxleyi*).]

Williams, *Thomas.*

1854. On the mechanism of Aquatic Respiration and on the structure of the organs of breathing in Invertebrate Animals. *Ann. Nat. Hist.* (2) XII, pp. 243–261, 332–347, 393–408, pls. xii, xiii; XIII, pp. 131–137, 180–200, 294–312, pls. ix, x, xvii, xviii; XIV, pp. 34–57, 241–262, pls. i, ii, vi–viii. [XIV, pp. 35–45, 55, 261, pl. i, ff. 1–5.]

Wilson, *Alexander Stoddart.*

1909. Glimpses of Marine Life on the Forth. *Trans. Edinb. Field Nat. Soc.* VI, 2, pp. 112–124. [p. 115 (*Styelopsis grossularia*).]

Wilson, *Andrew.*

1883. Chapters on Evolution. 8°. London. [pp. 53–54, 174–176, ff. 14, 88–90.]

Wilson, *Charlotte.*

1887. Australian Ascidians. *See* PALETHORPE, F. D., & C. WILSON.

Wilson, *Edmund Beecher.*

1897. The Cell in development and inheritance. Columbia Univ. Biol. Series, IV. 8°. New York. [pp. 78, 280–281, ff. 38 *c*, 126 *a–c*.]

(Ed. 2, 1900. [pp. 78, 279–280, 281–282, ff. 38 *c*, 126 *a–b*.])

Wilson, *Henry Van Peters.*

1889. On the breeding seasons of Marine Animals in the Bahamas. *Johns Hopkins Univ. Circ.* VIII, p. 38. [Tunicata.]

1900. Marine Zoology at Beaufort. *Amer. Naturalist,* XXXIV, pp. 339–360, 5 figs. [p. 354.]

Wilton, *David W.*

1908. Zoological Log of Scotia. (In) Report of the scientific results of the voyage of S.Y. "Scotia" . . . 1902–4. (Scottish Nation. Antarctic Exped.) IV.–Zoology, pp. 1–84. 4°. Edinburgh. [pp. 1–32, 60–71, *passim*.]

Wimmer, *Friedrich.*

1868. Thierkunde. *See* ARISTOTLE.

Winiwarter, *Hans von.*

1895. Note sur la glande annexe du tube digestif des Ascidies simples. *Arch. Biologie,* XIV, 2, pp. 261–273, pl. xi.

1896. Digestive Gland in Simple Ascidians. *Jrn. R. Micr. Soc.* 1896, p. 279.

1896. *Zool. Jahresb.* 1895, Tunicata, p. 11.

1899. *Arch. Naturg.* LX, II, 3, p. 10.

Winterstein, *Hans.*

1893. Zur Kenntniss der Thiercellulose oder des Tunicins. *Zeitschr. physiol. Chemie,* XVIII, 1, pp. 43–56. [Chiefly Tunicata.]

1909. Zur Kenntnis der Blutgase wirbelloser Seetiere. *Biochem. Zeitschr.* XIX, pp. 384–424, 1 fig. [p. 411 (*Ascidia*).]

Wiseman, *Harry.*

1906. Cape Verde Island Marine Fauna. *See* Rennie, J., & H. Wiseman.

Wolfenden, *Richard Norris.*

1909. Researches in the North Atlantic. *See* Farran, G. P. (In Add.)

Wood, *John George.*

1863. The Illustrated Natural History. 3 vols. 8°. London, 1860–63. [III, pp. 438–442, 788, figs. on p. 439.]

Woodland, *W. N. F.*

1907. Studies in Spicule Formation. VI.—The scleroblastic development of the spicules in some Mollusca and in one genus of Colonial Ascidians. *Qrt. Jrn. Micr. Sci.* LI, 1, pp. 45–53, pl. v, 1 text-fig. [pp. 50–52, pl. v, ff. 14–18 (*Leptoclinum*).]

1907. A preliminary consideration as to the possible factors concerned in the production of the various forms of Spicules. *Qrt. Jrn. Micr. Sci.* LI, 1, pp. 55–77. [p. 62.]

Wood-Mason, *James, & A. W.* **Alcock.**

1891. Natural History notes from H.M. Indian Marine Survey steamer 'Investigator,' . . . Ser. II, No. 1. On the results of deep-sea dredging during the season 1890–91. *Ann. Nat. Hist.* (6) VIII, pp. 16–34, 119–138, 268–286, pls. vii, viii. [p. 268 (*Culeolus*).]

Woodward, *Henry.*

1881. Tunicata. (In) Cassell's Natural History. Ed. by P. M. Duncan. 6 vols. 4°. London. [V, pp. 252–257, 6 figs.]

Woodward, *Martin Fountain.*

1900. Embryology of Invertebrates. *See* Heider, C.

Woodward, *Samuel Pickworth.*

1851–56. A Manual of the Mollusca; or, rudimentary treatise of recent and fossil Shells. 3 parts. 12°. London. [1 (1851), pp. 3–52 *passim*, f. 8; 3 (1856), pp. 331–346, 349, 357, 359, 364, pl. xxiv, text-ff. 224–226.]

(Tunicata omitted in eds. 2 and 3, 1866 and 1883.)

Wotton, *Edward.*

1552. E. Wottoni . . . de differentiis Animalium libri decem. fol. Paris. [Lib. x, cap. ccxlviii, fol. 217–218 (*Tethea*).]

Wraxall, *Lascelles.*

1860. Life in the Sea; or the nature and habits of Marine Animals. 8°. London. [pp. 212–214, 305–307.]

Wright, *Edward Perceval.*

1855. On collecting and arranging the British Mollusca. (With) Catalogue of British Mollusca. *Nat. Hist. Review,* II, Proc. pp. 65–85. [pp. 69, 70–71 (60 sps.).]

1859. Report on the Marine Fauna of the south and west coasts of Ireland. *Rep. Brit. Assoc.* 1858, pp. 166–181. [pp. 178–179.]

1866–70. Molluscoidea. *Zool. Record,* 1865 (II), pp. 298–305 (1866). [pp. 298–299.] 1866 (III), pp. 213–215 (1867). [pp. 213–214.] 1867 (IV), pp. 603–610 (1868). [pp. 605–606.] 1868 (V), pp. 505–509 (1869). [p. 506.] 1869 (VI), pp. 594–597 (1870). [p. 596.]

1879. Animal Life: being a series of descriptions of the various sub-kingdoms of the Animal Kingdom. 8°. London. [pp. 538, 565–566, 1 fig. (*Cynthia microcosmus*).]

Wright, *Thomas.*

1867. Comparative Physiology. *See* Agassiz, J. L. R., & A. A. Gould. (In Add.)

Wulfen, *Franciscus Xaverius de.*

1791. Descriptiones Zoologicæ ad Adriatici littora maris concinnatæ. *Nova Acta Acad. Leop.-Car.* VIII, pp. 235–359. [pp. 256–260 (*Ascidia,* 3 sps.).]

Y.

Yarrow, *Henry Crécy.*

1878. Natural History of Fort Macon. *See* Coues, E., & H. C. Yarrow.

Yates, *Harry.*

1903. Notes on the succession of Organisms found in the tow-net at Port Erin. *Trans. Manch. Micr. Soc.* 1902, pp. 65–66. [*Oikopleura.*]

Yung, *Émile.*

1880. De l'influence des lumières sur le développement des Animaux. *Mitth. zool. Stat. Neapel,* II, 2, pp. 233–237. [p. 237 (*Ciona intestinalis*).]

YUNG, *É.*

1890. Propos scientifiques. 8°. Paris. [p. 118 (*Salpa*).]

1892. De l'influence des lumières colorées sur le developpement des Animaux. *Compt. rend. Acad. Sci.* CXV, pp. 620–621. [*Ciona intestinalis.*]

Z.

Zacharias, *Otto.*

1906. Die Periodizität, Variation, und Verbreitung verschiedener Planktonwesen in südlichen Meeren. *Arch. Hydrobiol. Plankt.* I, pp. 498–575, 23 figs. [pp. 510, 522–566 *passim.*]

Zander, *Enoch.*

1897. Vergleichende und kritische Untersuchungen zum Verständnisse der Jodreaktion des Chitins. *Arch. ges. Physiol.* LXVI, pp. 545–573. [pp. 551, 560, 569–570, 572 (Tunicin).]

1908. Sieb- und Filterapparate im Tierreiche. *Zeitschr. Naturw.* LXXX, pp. 39–90, pl. i, 20 text-figs. [pp. 62–63, 84–86, ff. 12, 17 (*Kowelevskia tenuis*, &c.).]

Zernecke, *E.*

1904. Leitfaden für Aquarien- und Terrarienfreunde. Ed. 2, von M. Hesdörffer. 8°. Dresden. (*Fide* Matzdorff.)

Zernov, *S.*

1904. Sur le changement annuel du plankton de la Mer Noire dans la baie de Sébastopol. *Bull. Acad. Sci. St. Pétersb.* (5) XX, pp. 119–134, 1 pl. [pp. 127, 133.]

Ziegler, *Heinrich Ernst.*

1898. Ueber den derzeitigen Stand der Cölomfrage. *Verh. deutsch. zool. Ges.* VIII, pp. 14–78, 16 figs. [pp. 16, 66, 69–70, f. 16.]

1909. Zoologisches Wörterbuch erklärung der zoologischen Fachausdrücke. 8°. Jena. [*passim*, esp. p. 576, f. 486 (Synascidien), and p. 590, f. 494 (Tethyodeen).]

Zimmermann, *Hans.*

1907. Tierwelt am Strande der blauen Adria. *Zeitschr. Naturw.* LXXVIII, pp. 293–322. [pp. 305, 317–319 (64 sps.).]

Zulueta, *A. de.*

1908. Note préliminaire sur la famille des Lamippidæ, Copépodes parasites des Alcyonaires. *Arch. Zool. expér.* (4) IX, pp. 1–30, 26 figs. [p. 28 (*Polyclinum*).]

Zur Strassen, *Otto L.*

See STRASSEN, O. L. zur.

ADDENDA.

Accordino, *Vincenzo Collica.*

1874. Tesi di Zoologia . . . 40 pp. 8°. Napoli. [p. 36.]

Agassiz, *Jean Louis Randolph.*

1850. The natural relations between Animals and the Elements in which they live. *Amer. Jrn. Sci. Arts,* (2) IX, pp. 369–394. [pp. 376, 378.] (And) *Ann. Nat. Hist.* (2) VI, pp. 153–179. [pp. 160, 162.]

1857. Contributions to the Natural History of the United States. 3 vols. 4°. Boston, 1857–59. [I, pp. 27, 72, 91, 156, 185–230 *passim.*]

1859. An Essay on Classification. 8°. London. [pp. 38, 69, 108–109, 138, 231, 242, 296–366 *passim.*]

1871. Early stages of an Ascidian. *See* Moore, E. S.

Agassiz, *J. L. R., & A. A.* **Gould.**

1851. Principles of Zoology: . . . Part I. Comparative Physiology. 8°. Boston (U.S.A.). [pp. 159–160, ff. 135, 136 (*Salpæ*).]

1851. Grundzüge der Zoologie, . . . (Transl.) 8°. Stuttgart. [pp. 120–121, ff. 135, 136 (*Salpæ*).]

1867. Outlines of Comparative Physiology, . . . Ed. by T. Wright. 8°. London. [pp. 166, 218–219.]

Albertus, *Magnus.*

1495. Dini Alberti Magni de Animalibus libri vigintisex novissime impsetti. fol. Venetia. (*Fide* Seeliger.) [*Non* Lib. xxiv, s, fol. 244 (*Salpa*).]

Allen, *Edgar Johnson.*

1899. On the Fauna and bottom-deposits near the thirty-fathom line from the Eddystone Grounds to Star Point. *Jrn. Marine Biol. Assoc.* (2) V, pp. 365–542, 16 charts. [pp. 512–513, 535, 536, chart xvi (11 sps.).]

Allen, *E. J., & R. A.* **Todd.**

1900. The Fauna of the Salcombe Estuary. *Jrn. Marine Biol. Assoc.* (2) VI, pp. 151–217, 1 chart. [pp. 157–181 *passim,* 213–214 (10 sps.).]

Allman, *George James.*

1847. Biological contributions. III. Description of a new genus and species of Entomostraca. *Ann. Nat. Hist.* (1) XX, pp. 1–9, pls. i, ii. [pp. 1–2 (Parasite of *Ascidia communis*).]

Ambronn, *Hermann.*

1890. Cellulose-Reaction bei Arthropoden und Mollusken. *Mitth. zool. Stat. Neapel,* IX, 3, pp. 475–478. [pp. 475, 478.]

Apstein, *Carl.*

1905. Das Tierleben der Hochsee. 8°. Kiel. [pp. 44–47, 4 figs.]

1906. Das Sammeln und Beobachten von Plankton. (In) Dr. von Neumayer's Anleitung zu wissenschaftlichen Beobachtungen auf Reisen. Ed. 3. 2 vols. 8°. Hannover. II, pp. 650–682, 24 figs. [pp. 656–657, ff. 9, 10 (*Salpa pinnata* and *mucronata*).]

1908. Uebersicht über das Plankton 1902–1907. (In) Die Beteiligung Deutschlands an der Internationalen Meeresforschung. Jahresbericht 4–5. 8°. Berlin. [p. 48.]

Aubert, *Hermann Rudolf.*

1868. Thierkunde. *See* ARISTOTLE.

Aurivillius, *Carl Wilhelm Samuel.*

1886. Krustaceer hos arktiska Tunikater. (In) Vega-exped. vetensk. Iakttag. . . . af A. E. Nordenskiöld. IV, pp. 221–254, pls. yii–ix. 8°. Stockholm. [6 sps.]

Baird, *William.*

1850. The Natural History of the British Entomostraca. (*Ray Society.*) 8°. London. [pp. 238, 239 (Parasite of *Ascidia communis.*]

Balbiani, *Édouard Gérard.*

1884. Leçons sur les Sporozoaires. 8°. Paris. [pp. 26, 33, 37.]

Baldingen, *G. D.*

1778. Merkwürdiger Thiere. *See* PALLAS, P. S.

Bassett-Smith, *Percy William.*

1889. Report on Tizard and Macclesfield Banks. (In) China Sea. 1888. By W. U. Moore and P. W. Bassett-Smith. 20 pp., 4 sections, many figs. fol. London. [p. 8.]

WOODS HOLE

Beaumont, *W. I.*

1900. Report on the results of dredging and shore-collecting. (In) The Fauna and Flora of Valentia Harbour on the west coast of Ireland. *Proc. Irish Acad.* (3) V, 5, pp. 754–798, chart ii. [pp. 754–763 *passim.*]

Belfast Naturalists' Field Club.

1874. Guide to Belfast and the adjacent counties. (Brit. Assoc. Handbook.) 8°. Belfast. [p. 116.]

Belon, *Pierre.*

1551. L'Histoire naturelle des etranges Poissons marins, . . . 4°. Paris. (*Fide* Seeliger.) [*Non* fol. 18 (*Salpa*).]

Beltremieux, *Édouard.*

1884. Faunes de la Charente-Inférieure. *Ann. Soc. Sci. nat. Rochelle,* 1884, pp. 271–507. [pp. 369–370, 440–443 (7 sps.).]

Beneden, *Pierre Joseph van.*

1845. Recherches sur l'organisation et le développement du genre *Laguncula. Nouv. Mém. Acad. Belg.* XVIII, III, 29 pp., 3 pls. [pp. 9, 11, 22.]

1845. Recherches sur l'anatomie, la physiologie, et le développement des Bryozoaires qui habitent la côte d'Ostende. *Nouv. Mém. Acad. Belg.* XVIII, IV, 44 pp., 5 pls.; XIX, II, 31 pp., 2 pls. [XVIII, IV, p. 13; XIX, II, pp. 9, 12–13, 25–26.]

Berendes, *J.*

1902. Dioskurides Arzneimittellehr. *See* DIOSCORIDES, P.

Bernard, *Matilda.*

1900. Embryology of Invertebrates. *See* HEIDER, C.

Bert, *Paul, & Raphaël* **Blanchard.**

1885. Éléments de Zoologie. 8°. Paris. [pp. 623–624, ff. 379, 380.]

Birge, *Edward Asahel.*

1883. Comparative Zoology. *See* ORTON, J. (In Add.)

Blainville, *Henri Marie Ducrotay de.*

1816. Prodrome d'une nouvelle distribution systématique du Règne Animal. *Bull. Soc. philom. Paris,* 1816, pp. 113–124. [p. 122.]

1830. Zoophytes. (In) Dict. Sci. nat. LX, pp. 1–548. 8°. Paris. [p. 452 (*Salacia*).]

Blake, *Charles Carter.*

1863. Manual of Zoology. *See* Edwards, H. M.

Blanchard, *Raphaël.*

1885. Éléments de Zoologie. *See* Bert, P., & R. Blanchard. (In Add.)

Bock, *S.*

1910. Expedition nach Spitzbergen. *See* Hofsten, N. von, & S. Bock. (In Add.)

Bolau, *Cornelius Carl Heinrich.*

1881. Das Aquarium des zoologischen Gartens zu Hamburg. 52 pp. 8°. Hamburg. [pp. 43–44.]

Boorhaave, *H.*

1786. Natuurkundige beschryving der Zeën. *See* Marsigli, L. F.

Bory de St. Vincent, *Jean Baptiste George Marie.*

1804. Voyage dans les quatre principales îles des Mers d'Afrique, fait par ordre du gouvernement, pendant les années . . . (1801 et 1802). 3 vols. 8°; Atlas, 4°. Paris, an xiii. [I, pp. 107–116, 134–135 (*Monophora* and *Salpa*).]

Bourne, *Gilbert Charles.*

1902. An Introduction to the study of the Comparative Anatomy of Animals. 2 vols. 8°. London, 1900–2. [II, p. 202.]

Brady, *George Stewardson.*

1878–80. A Monograph of the free and semi-parasitic Copepoda of the British Isles. (*Ray Society.*) 3 vols. 8°. London. [I (1878), pp. 128, 130–132, 136, 140, 141, 143, 146; III (1880), pp. 50, 60 (Parasitism).]

Brass, *Arnold.*

1882. Abriss der Zoologie . . . 8°. Leipzig. [pp. 82–83, 95–96, 105–106, 115, 130, 146–147, 153, 179, 191, 209, 233, 343–344, ff. 33, 48.]

Braun, *Maximilian Gustav Christian Carl.*

1889. Faunistische Untersuchungen in der Bucht von Wismar. *Arch. Ver. Mecklenb.* XLII, pp. 57–84. [pp. 68, 77–78, 82, 83 (3 sps.).]

Breemen, *P. J. van.*

1904. Plankton en Bodendieren in de Noordzee. *See* Redeke, H. C., & P. J. van Breemen.

Brément, *Ernest.*

1909. Contribution à l'étude des Copépodes ascidicoles du golfe du Lion. *Arch. Zool. expér.* (5) I, pp. lxi–lxxxix, 14 figs. [Parasitism.]

1910. Ascidicoles du *Aplostoma.* *See* Chatton, E., & E. Brément. (In Add.)

Bridge, *T. W.*

1875. Comparative Anatomy. *See* Clark, J. W., & T. W. Bridge. (In Add.)

British Museum (*Natural History*).

1900. Methods of collecting and preserving various soft-bodied Invertebrate Animals. 15 pp. 8°. London. [pp. 12–13.]

(Ed. 2, 15 pp., 1903 [p. 12]; ed. 3, 18 pp., 1909 [pp. 15-16].)

1902. Handbook of Instructions for Collecting. 8°. London. [p. 110.]

(Ed. 2, 1904 [p. 111]; ed. 3, 1906 [pp. 118-119].)

Bronn, *Heinrich Georg.*

1850. Allgemeine Zoologie. (In) Neue Encyklopädie für Wissenschaften und Künste, III. 8°. Stuttgart. [pp. 383, 384, 387, 435–443.]

Brookes, *Joshua.*

1828. Brookesian Museum. 20 pp. 8°. London. [pp. 8, 17, 19.]

Brooks, *William Keith, & Carl* **Kellner.**

1908. On *Oikopleura tortugensis,* a new Appendicularian from the Tortugas, Florida, with notes on its embryology. (In) The Pelagic Tunicata of the Gulf Stream, Part 4. *Carnegie Inst. publ.* 102, pp. 89–94, 5 pls.

Brown, *Robert.*

1877. Danish Greenland. *See* Rink, H.

Burnett, *Waldo Irving.*

1854. Anatomy of Invertebrata. *See* Siebold, C. T. E. von.

Busk, *George.*

1845. Alternation of Generations. *See* Steenstrup, J. J. S.

Camus, *Armand Gaston.*

1783. Histoire des Animaux. *See* Aristotle.

Capellan, —.

1910. Le Violet. *Cosmos* (n.s.) LXIII, pp. 397–398, 3 figs. [*Cynthia microcosmus.*]

Carlgren, *Oskar.*

1903. Anthozoa. (In) Bronn's Tier-Reichs, II, II, i, pp. 1–48. 8°. Leipzig. [pp. 5, 33–43 *passim.*]

Carter, *Henry John.*

1880. Report on specimens dredged up from the Gulf of Manaar. . . . *Ann. Nat. Hist.* (5) VI, pp. 129–156, pls. vii, viii. [p. 152 (*Leptoclinum*).]

Cattaneo, *Giacomo.*

1882. Le colonie lineari e la morfologia dei Molluschi. 8°. Milano. [pp. 21, 43, 99, 249–253, 322.]

Carus, *Julius Victor.*

1849. Zur naehern Kenntniss des Generationswechels. 66 pp., 2 pls. 8°. Leipzig. [pp. 37–39.]

1872. Geschichte der Zoologie bis auf Joh. Mueller und Charl. Darwin. 8°. München. [pp. 54, 368–369.]

Cavolini, *Filippo.*

1853. Memorie postume, sceverate dalle schede autografe di F. Cavolini per cura ed a spese di S. D.-Chiaie. 4°. Benevento. I. Memorie per servire alla storia de' Polipi marini. Memoria quarta ed ultima . . . pp. 7–58, 3 pls. [pp. 29–37, 55–56, pl. ii, ff. 1–10.] VIII. Animali molluschi indigeni o esotici del Cratere neapolitano . . . pp. 205–297, 4 pls. [pp. 244, 251–254, 272–274, pl. iii, f. 2.]

Chatton, *Édouard.*

1909. Sur la genre *Ophioscides* Hesse et sur l'*Ophioscides joubini,* n.sp., Copépode parasite de *Microcosmus sabattieri* Roule. *Bull. Soc. zool. France,* XXXIV, pp. 11–19, 8 figs. [pp. 11, 14, 18, 19.]

Chatton, *É., & Ernest* **Brément.**

1910. Les trois Ascidicoles du genre *Aplostoma* Cann: . . . (Note préliminaire.) *Bull. Soc. zool. France,* XXXV, pp. 80–92, 5 figs. [Parasitism.]

Chun, *Carl.*

1889. Cœlenterata. (In) Bronn's Thierreichs, II, II, i, pp. 1–48. 8°. Leipzig & Heidelberg. [pp. 7–31 *passim.*]

Clark, *John Willis, & T. W.* **Bridge.**

1875. Illustrations of Comparative Anatomy, Vertebrate and Invertebrate. 8°. Cambridge. [pp. 39–41.]

Clark, *William.*

1856. Handbook of Zoology. *See* Hoeven, J. van der.

Claus, *Carl Friedrich Wilhelm.*

1860. Ueber den Bau von *Notodelphys ascidicola* Allm. *Würsburg. naturw. Zeitschr.* I, pp. 226–233, pl. vi. [p. 228 (Parasite of *Salpa*).]

1875. Neue Beiträge zur Kenntniss parasitischer Copepoden nebst Bemerkungen über System derselben. *Zeitschr. wiss. Zool.* XXV, 4, pp. 327–360, pls. xxii–xxiv. [pp. 345, 349–352.]

Cleve, *Pehr Theodor, J.* **Ekman,** *& S. O.* **Pettersson.**

1901. Les variations annuelles de l'eau de surface de l'Océan Atlantique. *Göteborgs Vet. Handl.* (N. F.) IV, iii, 2, x + 39 pp., 7 figs. [p. 34 (*Fritillaria* and *Oikopleura*).]

Colombo, *A.*

1885. Raccolte zoologische eseguite dal R. Piroscafo "Washington" nella campagna abissale talassografica dell' anno 1885. *Rivista Marittima,* 1885, II, pp. 23–54, 2 charts, 23 figs. (in pls.). [pp. 40–46 *passim,* 53 (10 sps.).]

Comte, *Joseph Achille.*

1840. Règne Animal disposé en tableaux methodiques. fol. Paris. [Livraison 28, Acapheles, 60 figs. (68 sps.).]

Conklin, *Edwin Grant.*

1898. Cleavage and differentiation. *Biol. Lectures Woods Holl,* 1896–97, pp. 17–43, 12 figs. [p. 19.]

1900. Clivage et différenciation. *Année Biol.* IV, pp. 174–175.

Cooke, *C.*

1874. Dredgings near Salem. *See* VERRILL, A. E.

Cope, *Edward Drinker.*

1887. The Origin of the Fittest. 8°. New York. [p. 399.]

Costa, *Achille.*

1863. Lezioni di Zoologia accomodate principalmente ad uso dei medici. 8°. Napoli. [p. 450.]

Couthouy, *Joseph P.*

1838. Descriptions of new species of Mollusca and shells, and remarks on several Polypi found in Massachusetts Bay. *Boston Jrn. Nat. Hist.* II, pp. 53–111, pls. i–iii. [p. 111 (6 sps.).]

Crossland, *Cyril.*

1907. Cape Verde Island marine fauna. *See* RENNIE, J., & H. WISEMAN.

Cuénot, *Lucien.*

1892. Les moyens de défense dans la série Animale. 8°. Paris. [pp. 107–108.]

Cunningham, *Robert Oliver.*

1871. Notes on the Natural History of the Strait of Magellan and west coast of Patagonia made during the voyage of H.M.S. 'Nassau' in the years 1866–69. 8°. Edinburgh. [pp. 125–126 (*Cynthia* and *Goodsiria*).]

Cuvier, *Georges Léopold Orétien Frédéric Dagobert.*

1828. Histoire des progrès des Sciences naturelles depuis 1789 jusqu'a ce jour. 4 vols. 8°. Paris, 1826–28. [III, pp. 329–331; IV, pp. 206–209.]

Dahl, *Friedrich.*

1908. Kurze Anleitung zum wissenschaftlichen und zum Konservieren von Tieren. 8°. Jena. [pp. 75–77, ff. 121–124.]

Dall, *William Healey.*

1870. Revision of the classification of the Mollusca of Massachusetts. *Proc. Boston Soc. Nat. Hist.* XIII (1871), pp. 240–257. [pp. 254–255 (28 sps.).]

Davenport, *Charles Benedict.*

1898. The Fauna and Flora about Coldspring Harbor, L.I. *Science,* (N. S.) VIII, pp. 685–689, 1 fig. [pp. 686–687 (5 sps.).]

1898. The Fauna of Cold Spring Harbor. *Proc. Amer. Assoc.* XLVII, p. 377. [*Molgula.*]

Davies, *A. M.*

1892–98. Text-book of Biology (1892). Text-book of Zoology (1898). *See* Wells, H. G., & A. M. Davies.

Davis, *J. R. Ainsworth.*

1890. Zoological Pocket-book. *See* Selenka, E.

Della Valle, *Antonio.*

1877. Contribuzione alla storia naturale delle Ascidie composte del Golfo di Napoli. 8°. Neapel. (*Fide* Seeliger.)

1883. Sui Copepodi che vivono nelle Ascidie composte del Golfo di Napoli. *Atti Accad. Lincei,* Rend. (3) XV, pp. 242–253, 1 pl.

Delsman, *H. C.*

1910. Ontwikkeling van *Oikopleura. Tidschr. Nederl. Dierk. Ver.* (2) XII, pp. iii–iv.

Dewhurst, *Henry William.*

1834. The Natural History of the Cetacea and of the oceanic inhabitants of the Arctic Regions. 8°. London. [p. 260 (*Ascidia gelatinosa* and *rustica*).]

Dogiel, *Joh.*

1877. Die Muskeln und Nerven des Herzens bei einigen Mollusken. *Arch. mikr. Anat.* XIV, pp. 59–65, pl. v a. [pp. 61–62, pl. v a, ff. 10, 11 (*Salpa maxima*).]

1910. Die Bedingungen der automatisch-rhythmischen Herzkontraktionen. *Arch. ges. Physiol.* CXXXV, pp. 1–103, pls. i–iii, 79 text-figs. [pp. 16, 71, ff. 13, 14 (*Salpa maxima*).]

Donati, *Vitaliano.*

1750. Della storia naturale Marina dell'Adriatico. 4°. Venezia. [pp. 54–56, pl. ix (*Tetie sferica*).]

1758. Essai sur l'histoire naturelle de la Mer Adriatique. (Transl.) 4°. La Haye. [pp. 62–64, pl. x (*Tethie sphérique*).]

Driesch, *Hans.*

1893. Zur Theorie der tierischen Formbildung. *Biol. Centralbl.* XIII, pp. 296–312. [pp. 299–306 *passim.*]

1905. Der Vitalismus als Geschichte und als Lehre. 8°. Leipzig. [*Clavelina.*] (*Fide* Matzdorff.)

Duergen, *Bruno.*

1894. Das Tierreich. *See* Staby, Z.

Duméril, *André Marie Constant.*

1825. Élémens des Sciences naturelles. Ed. 3. 2 vols. 8°. Paris. [II, p. 57.]

Duncan, *Peter Martin.*

1881. The Invertebrata. (In) Cassell's Natural History. 6 vols. 4°. London. V, pp. 150–153. [pp. 151, 153.]

Eckstein, *Karl.*

1897. Forstliche Zoologie. 8°. Berlin. [pp. 60, 324–325, f. 297 (*Ascidia mentula*).]

1898. Repetitorium der Zoologie. Ed. 2. 8°. Leipzig. [pp. 66, 69, 124–127, 168, 178, 180, 183, 277–279, f. 79 (*Ascidia mamillata*).]

Edward, *Thomas.*

1876. Selections from the Fauna of Banffshire, by T. E. Appendix, pp. 391–438, (to) Life of a Scotch Naturalist: Thomas Edward. By Samuel Smiles. 8°. London. [p. 437 (*Ascidia mentula* and *communis*).]

Edwards, *Henri Milne.*

1844. Embryogenie comparée. *See* Serres, E. R. A.

1845. Observations et expériences sur la circulation chez les Mollusques. *Ann. Sci. nat.* (3) Zool. III, pp. 289–307. [pp. 289, 290, 291, 300, 301, 305.]

1853. Notions préliminaires d'Histoire naturelle. . . . 8°. Paris. [p. 259, f. 340 (*Perophora*).]

1857–63. Leçons sur la Physiology et l'Anatomie comparée de l'Homme et des Animaux. 8 vols. 8°. Paris. [I (1857), p. 97; II (1857), pp. 16, 17; III (1858), pp. 79–80, 85–95, 96; V (1859), pp. 349–354; VIII (1863), p. 117.]

Edwards, *H. M., & A.* **Valenciennes.**

1845. Nouvelles observations sur la constitution de l'appareil circulatoire chez les Mollusques. *Ann. Sci. nat.* (3) Zool. III, pp. 307–340, pl. xii. [p. 307.]

Efisio, *Marcialis.*

1892. Saggio d'un catalogo metodico dei principali e più communi Animali invertebrati della Sardegna. *Boll. Soc. Roma,* Zool. I, pp. 246–282. [p. 282 (*Ascidia mamillata* and *Cynthia microcosmus*).]

Eichelberg, *Johann Friedrich Andreas.*

1855. Genitischer Grundriss der Naturgeschichte. I. Thierkunde. Wien. (*Fide* Seeliger.)

Ekman, *G.*

1901. Variations de l'eau de l'Ocean Atlantique. *See* Cleve, P. T., G. Ekman, & S. O. Petterssen. (In Add.)

Engelmann, *Theodor Wilhelm.*

1904. Daz Herz und seine Thatigkeit im Lichte neuerer Forschung. Leipzig. (*Fide* Matzdorff.)

Erman, *Adolph Georg.*

1835. Reise um die Erde durch Nord-Asien und die beiden Oceane, in den Jahren 1828, 1829, und 1830. Naturhistorischer Atlas. fol. Berlin. [p. 52 (*Salpa pinnata*).]

Eschscholtz, *Johann Friedrich von.*

1825. Bericht über die zoologische Ausbeute während der Reise von Kronstadt bis St. Peter und Paul. *Isis,* 1825, cols. 733–747. [cols. 736, 739.]

Etheridge, *Robert, jun.*

1889. The general Zoology of Lord Howe Island. (In) Lord Howe Island. *Mem. Austral. Mus.* II, pp. 1–41. [p. 30.]

Fabricius, *Johann Christian.*

1779. J. C. Fabricius. . . . Reise nach Norwegen mit Bemerkungen aus der Naturhistorie und Oekonomie. 8°. Hamburg. [pp. 295, 383 (*Ascidia*, 3 sps.).]

Farran, *George P.*

1909. *Pyrosoma spinosum*, Herdman. (In) Scientific and Biological Researches in the North Atlantic. By R. N. Wolfenden. *Mem. Challenger Soc.* I, pp. 220–224, pls. vi, vii.

Fauré-Fremiet, *E.*

1910. Le Plancton de la baie de la Hougue. *Bull. Soc. zool. France*, XXXV, pp. 225–226. [p. 225 (*Oikopleura dioica*).]

Fitsinger, *Leopold Joseph Franz Johann.*

1853. Naturgeschichte des Thierreichs. *See* Kollar, B., L. Fitsinger, & J. Heckel. (In Add.)

Forbes, *Edward.*

1844. Report on the Mollusca and Radiata of the Ægean Sea, and on their distribution, considered as bearing on Geology. *Rep. Brit. Assoc.* 1843, pp. 130–193. [pp. 146, 161, 166, 169, 176, 182.]

Foster, *Michael.*

1898–1902. Huxley's Scientific Memoirs. *See* Huxley, T. H.

Fredericq, *Léon.*

1889. La Lutte pour l'Existence chez les Animaux marins. . . . 8°. Paris. [pp. 197, 199, 272, 273, 288.]

Frey, *Heinrich, & Randolph* **Leuckart.**

1847. Beiträge zur Kenntniss wirbelloser Thiere mit besonderer Berüchsichtigung der Fauna des norddeutschen Meeres. 4°. Braunschweig. [pp. 136–168 (6 sps.).]

Fricker, *Carl.*

1898. Antarktis . . . (Bibliothek der Landkunde, I.) 8°. Berlin. [p. 215 (*Pyrosoma* and *Ascidia*).]

Froriep, *Ludwig Friedrich von, & I. F.* **Meckel.**

1809–10. Vorlesungen über vergleichende Anatomie. 4 vols. 8°. Leipzig. [I (1809), p. 397; II (1809), pp. 301-302; III (1910), pp. 310, 351, 675, 710; IV (1910), pp. 272-273, 578.]

Gadeau de Kerville, *Henri.*

1890. Les Animaux et les Végétaux lumineux. (*Bibl. scient. contemp.*) 8°. Paris. [pp. 148–157, ff. 31–33 (*Pyrosoma* and *Salpa*).]

Gadeau de Kerville, *H.*

1894–1901. Recherches sur les Faunes marine et maritime de la Normandie. 3 vols. 8°. Paris. [I (1894), pp. 112–113 (7 sps.); II (1898), p. 385 (4 sps.); III (1901), pp. 219–220 (5 sps.).]

Gardiner, *John Stanley.*

1906. Maldive and Laccadive Fauna. *See* Murray, Sir J.

Gaza, *Theodorus.*

1476–92. Historia Animalium (1476). De Partibus Animalium (1492). *See* Aristotle.

Geddes, *Patrick, & John Arthur* **Thomson.**

1889. The Evolution of Sex. 8°. London. [pp. 198, 203.]

Gegenbaur, *Carl.*

1898–1901. Vergleichende Anatomie der Wirbelthiere mit Berücksichtigung der Wirbellosen. 2 vols. 8°. Leipzig. [I (1898), pp. 64–79, 186–191, 603–607, 718–726, 876–952, *passim*, ff. 388, 447, 448, 569; II (1901), pp. 18–33 *passim*, 213, 217, 250, 251, 338, 339, ff. 11–13, 152.]

Gervais, *François Louis Paul.*

1869. Éléments de Zoologie. (Vertébrés ovipares et Animaux sans vertèbres.) 8°. Paris. [pp. 240–243, ff. 268–271.]

Gesner, *Conrad.*

1563. Fischbuch. (Transl.) fol. Zürych. [pp. 153 b, 154 a–b, 156 b, 7 figs.]

Giard, *Alfred.*

1875. Laboratoire de Zoologie maritime à Wimereux (Pas-de-Calais). *Compt. rend. Assoc. Française*, III, pp. 68–79. [pp. 72, 77.]

1888. Le Laboratoire de Wimereux en 1888 (Recherches fauniques). *Bull. Sci. France Belg.* XIX, pp. 492–513. [pp. 495–496, 512–513.]

1904. Controverses transformistes. Paris. [Embryology.] (*Fide* Matzdorff.)

Giebel, *Christoph Gottfried Andreas.*

1857. Lehrbuch der Zoologie. 8°. Darmstadt. [p. 200.] (Ed. 5, 1872.)

Gill, *Theodore Nicholas.*

1871. Arrangement of the Families of Mollusks. *Smithson. Miscell. Coll.* 227. xvi + 49 pp. [p. 23.]

Godeffroy, *Johan Cesar, & Sohn.*

1866–79. Museum Godeffroy. *See* Schmeltz, J. D. E.

Goggia, *P.*

1910. Phénomène lumineux dans la série Animale. *Cosmos,* (n. s.) LXIII, pp. 270–274, 299–303, 5 figs. [p. 299 (*Pyrosoma atlanticum*).]

Goldfuss, *Georg August.*

1820. Handbuch der Zoologie. 2 vols. (In) Handbuch der Naturgeschichte . . . von Dr. G. H. Schubert. 7 vols. 8°. Nürnberg, 1813–20. [I, pp. 590–595.]

Gore, *R. T.*

1827. Comparative Anatomy. *See* Carus, C. G.

Gosse, *Philip Henry.*

1857. Life in its lower, intermediate, and higher forms. 8°. London. [pp. 236–238.]

Gould, *Augustus Addison.*

1851–67. Principles of Zoology (1851). Comparative Physiology (1867). *See* Agassiz, J. L. R., & A. A. Gould. (In Add.)

Gourret, *Paul.*

1892. Notes zoologiques sur l'étang des Eaux-Blanches (Cette). *Ann. Mus. Marseille,* Zool. IV, Trav. scient. II, 26 pp. [pp. 6–19 *passim,* 25 (5 sps.).]

1896. Documents zoologiques sur l'étang du Thau. *Trav. Inst. Montpell.* (n. s.) V, 55 pp. [pp. 1–22 *passim,* 39 (9 sps.).]

Graves, *George.*

1817. The Naturalist's pocket-book, or Tourist's companion, . . . 8°. London. [pp. 224–225.]

Gravier, *Charles.*

1901. Méthodes de récolte de fixation et de conservation des Invertébrés (Arthropodes exceptés). 104 pp., 113 figs. 8°. Paris. [p. 93.]

1902. Tachygénèse. *See* Perrier, J. O. E., & C. Gravier.

1905. Tuniciers de Tadjourah. *See* Sluiter, C. P.

Greene, *Joseph Reay.*

1872. Tables showing some of the affinities of the classes of the Animal Kingdom. 3 sheets. fol. London. [I, II.]

Grieg, *James A.*

1898. Skrabninger i Vaagsfjorden og Ulvesund, ytre Nordfjord. *Bergens Mus. Aarsb.* 1897, XVI, 27 pp. [pp. 7–8, 11, 12.]

Griffith, *John William.*

1852. Physiology of the Invertebrata. *See* SCHMIDT, C.

Griffith, *J. W., & Arthur* **Henfrey.**

1883. The Micrographic Dictionary; . . . Ed. 4. 2 vols. 8°. London. [Tunicata and under names of families and genera; pl. xviii, ff. 10, 20 (*Amaroucium proliferum* and *Botryllus polycyclus*).]

(Ed. 1, 1856; ed. 2, 1860; ed. 3, 1875.)

Grobben, *Karl.*

1881. (In) *Tagelb. nat. Verf. Salzburg,* Ber. Sect. 1881. [p. 82 (*Doliolum*).] (*Fide* Troschel.)

1882. *Arch. Naturg.* XLVIII, II, p. 514.

1904–5. Lehrbuch der Zoologie. *See* CLAUS, C. F. W.

Guenther, *Albert.*

1858. Handbuch der medicinischen Zoologie. . . . 8°. Stuttgart. [pp. 181–182.]

Haeckel, *Ernst Heinrich Philipp August.*

1872. Die Kalkschwämme. 3 vols. 8°. Berlin. [I, pp. 465, 467.]

1903. Kuntsformen der Natur. II. fol. Leipzig & Wien, 1899–1904. [Lfg. 9, p. 30, pl. lxxxv.]

Hawkesworth, *John.*

1773. An account of the Voyages . . . for making discoveries in the Southern Hemisphere, . . . in the *Dolphin,* the *Swallow,* and the *Endeavour.* 3 vols. 4°. London. [II, pp. 2, 3 (*Dagysa*).]

Heath, *Harold.*

1903. Animal Studies. *See* JORDAN, D. S., V. L. KELLOGG, & H. HEATH. (In Add.)

Heck, *Carl Robert.*

1894. Das Tierreich. *See* STABY, L.

Heckel, *Johann Jakob.*

1853. Naturgeschichte des Thierreichs. *See* KOLLAR, B., L. FITSINGER, and J. J. HECKEL. (In Add.)

Hédon, *E.*

1900. Physiologie générale. *See* VERWORN, M.

Heilprin, *Angelo.*

1887. The geographical and geological Distribution of Animals. (*Internat. Sci. Ser.* LVIII.) 8°. London. [p. 120.]

Henfrey, *Arthur.*

1883. Micrographic Dictionary. *See* Griffith, J. W., & A. Henfrey. (In Add.)

Henking, *Hermann.*

1907. Eine Fahrt des "Poseidon" in das Fanggebiet der grossen Heringsfischerie, Sept. 1903. *Mitt. deutsch. Seefisch. Ver.* XXIII, pp. 243–305, 1 chart, 3 figs.

Henschel, *August Wilhelm Edouard Theodor.*

1833. Clavis Rumphiana botanica et zoologica. . . . 8°. Vratislaviæ. [p. 204 (*Ascidia*).]

Herdman, *William Abbott.*

1884. A phylogenetic scheme of the pedigree of Animals and Vegetables. (In) Museums of Natural History: . . . by H. H. Higgins. 8°. Liverpool. [Chart.]

1887. An ideal Natural History Museum. *Proc. Lit. Phil. Soc. Liverp.* XLI, pp. 61–81, plate i. [pp. 77–78.]

1896. Oceanography, Bionomics, and Aquiculture. *Rep. Smithson. Inst.* to July, 1895, pp. 433–454. [pp. 447–448, 452 (5 sps.).]

(Reprint of Address to Sect. D, Brit. Assoc.)

Herklots, *Janus Adrian.*

1858. Bouwstoffen voor eene Fauna van Nederland, . . . 3 vols. 8°. Leiden, 1853–66. [II, p. 74 (5 sps.).]

Hermes, —.

1894. Führer durch das Berliner Aquarium. 64 pp. 8°. Berlin. [pp. 57–58.]

Hertwig, *William August Oscar.*

1877. Beiträge zur Kenntniss der Bildung, Befructung, und Theilung des thierischen Eies. *Morphol. Jahrb.* III, 1, pp. 1–86, pls. i–v. [pp. 74, 75, 82.]

Hesse, *C. Eugène.*

1865. Recherches sur les Crustacés rares ou nouveaux des côtes de France. Crustacés parasites vivant dans les Ascidies Phallusiennes. *Ann. Sci. nat.* III, Zool., pp. 221–242, pl. iv. [pp. 222, 224 (*Phallusia canina* and *intestinalis*).]

Hesse, *Richard.*

1902. Untersuchungen über die Organe der Lichtempfindung bei niederen Thieren. VIII. Weitere Thatsachen. Allgemeines. *Zeitschr. wiss. Zool.* LXXII, pp. 565–656, pl. xxxv, 7 text-figs. [pp. 608, 620, 628.]

Heuglin, *Theodor von.*

1874. Reisen nach dem Nordpolarmeer in den Jahren 1870–71. 3 Theil (vols.). III. Beiträge zur Fauna, Flora, und Geologie von Spitzbergen und Novaja Semlya. 8°. Braunschweig. [p. 234 (*Cynthia echinata*).]

Higgins, *Henry Hugh.*

1884. Museums of Natural History. *See* HERDMAN, W. A. (In Add.)

Hill, *John.*

1752. An History of Animals. fol. London. [pp. 93–94, pl. v, *Salacia* sp. 3.]

1752. Essays in Natural History and Philosophy. Containing a series of discoveries by the assistance of microscopes. 8°. London. [pp. 157–177 (*Bursa marina*).]

1754. Forsetzung der microscopischen und physikischen Beobachtungen. IX. (Transl.) *Hamburg. Magaz.* XIV, 1, pp. 30–51.

Hinde, *George James.*

1884. On the structure and affinities of the family of the Receptaculitidæ, . . . *Qrt. Jrn. Geol. Soc.* XL, pp. 795–849, pls. xxxvi, xxxvii. [pp. 795, 797 (refers to *Ischadites Kœnigii*; pp. 836–837, pl. xxxvi, f. 1).]

Hjort, *Johan.*

1896. Hydrographic historical Studies of the Norwegian Fisheries. (Transl.) 8°. Christiana. [pp. 43, 52 (*Appendicularia*).]

Hodgson, *T. V.*

1905. Preliminary report of the Biological Collections of the "Discovery." *Geogr. Jrn.* XXV, pp. 396–401. [p. 399.]

1906. *Zool. Centralbl.* XIII, pp. 296–297. [p. 297.]

Hoffman, *F.*

1829. Einige Bemerkungen über die Vegetation und die Fauna von Helgoland. *Sitzber. Ges. Freunde Berlin,* I, pp. 228–260, pl. x *supra*. [pp. 242–246, pl. x, f. 5 (3 figs.) (*Ascidia pedunculata*).]

Hofstein, *N. von, & S.* **Bock.**

1910. Zoologische Ergebnisse der schwedischen Expedition nach Spitzbergen 1908 unter Leitung von Prof. F. de Geer. *Svenska Vet.-Akad. Handl.* (N. F.) XLV, IX, 64 pp., 1 chart, 28 figs. [pp. 27, 28, 37, 62 (*Fritillaria* and *Oikopleura*).]

Hopkinson, *John.*

1905–7. British Tunicata. *See* Alder, J., & A. Hancock.

Houssay, *Frédéric.*

1900. La forme de la Vie. Essai de la méthode mécanique en Zoologie. 8°. Paris. [pp. 279–287, ff. 207–214.]

Hovey, *E. O.*

1899. Preservation of Marine Animals. *See* Lo Bianco, S.

Huncke, *E.*

1906. Soziales und Wirtschaftliches aus dem Tierreich. *Arch. Rassen. Biol.* III, pp. 646–673. (*Fide* Matzdorff.)

Huxley, *Thomas Henry.*

1852. Ascidians and Echinoderms. (In) Journal of a voyage in Baffin's Bay and Barrow Straits in the years 1850–51, . . . by P. C. Sutherland, pp. ccxi–ccxiii. 2 vols. 8°. London. [pp. ccxii–ccxiii.]

Issel, *Arturo.*

1881. Istruzioni scientifiche pei Viagiatori. Ed. 2. 8°. Roma. [p. 421.]

1884. Pelagos. *See* Giglioli, E., and A. Issel.

Jaeger, *Gustav.*

1906. Das Leben im Wasser und das Aquarium. Ed. 2. Stuttgart. [*Salpa.*] (*Fide* Matzdorff.)

James, *Ivor.*

1891. Handbook for Cardiff and district, prepared for the use of the British Association. 8°. Cardiff. [p. 192 (2 sps.).]

Jammes, *Léon.*

1904. Zoologie pratique basée sur la dissection des Animaux plus répandus. 8°. Paris. [pp. 297, 299–310, ff. 173–179.]

Jeffreys, *John Gwyn.*

1876. Biological results of a cruise to Davis Strait. *See* Norman, A. M.

Jensen, *Olaf S.*

1875. Katalog over Dyrsamlingen i Bergens Museum. 8°. Bergen. [pp. 171–173.]

Jonstonus, *Johannes.*

1657. Historiæ naturalis de Insectis libri IV. fol. Amstelodami. [Lib. iv, cap. iii (p. 147), fig. on pl. xxviii (*Uva marina*).]

Jordan, *David Starr, V. L.* **Kellogg,** *& H.* **Heath.**

1903. Animal Studies. 8°. New York & London. [pp. 162–163, f. 99.]

Jouan, *Henri.*

1869. Essai sur la Faune de la Nouvelle-Zélande. 8°. Paris & Cherbourg. [p. 94 (*Salpa costata*).]

Jourdan, *A. J. L.*

1835. Comparative Anatomy. *See* Carus, C. G.

Kellogg, *Vernon Lyman.*

1903. Animal Studies. *See* Jordan, D. S., V. L. Kellogg, & H. Heath. (In Add.)

Kemna, *Adolphe.*

1904. Compte rendu sur Richard Goldschmidt Notiz über die Entwickelung der Appendicularien. *Ann. Soc. malac. Belg.* XXXVIII, pp. cxxxix–cxl.

Kerb, *Heinz.*

1908. Biologische Beiträge zur Frage der Ueberwinterung der *Ascidien*. *Arch. mikr. Anat.* LXXII, pp. 386–414, pl. xviii.

Kerschner, *Ludwig.*

1879. Ueber zwei neue Notodelphyiden nebst Bemerkungen über einige Organisationsverhältnisse dieser Familie. *Denkschr. Akad. Wiss. Wien,* XLI, pp. 155–193, 6 pls. [pp. 156, 176, 179, 183, 185 (Parasitism).]

Kickx, *Jean Jacques.*

1876. Formation des Cellules. *See* Strasburger, E.

Kingsley, *John Stirling.*

1903. Manual of Zoology. *See* Hertwig, C. W. T. R.

Kirby, *William.*

1835. On the power, wisdom, and goodness of God, as manifested in the Creation of Animals, and in their history, habits, and instincts. (Bridgewater Treatise.) 2 vols. 8°. London. [I, pp. 178–179, 217–233, pl. iv.]

Kirkcaldy, *J. W.*

1896. Text-book of Zoology. *See* Boas, J. E. V.

Knipovitsch, *N.*

1896. Eine zoologische Excursion im nordwestlichen Theile des Weissen Meeres im Sommer 1895. *Ann. Mus. St. Pétersb.* I, pp. 278–326. [p. 278 (*Eugyra pedunculata*).]

Knox, *R.*

1856–63. Manual of Zoology. *See* EDWARDS, H. M.

Knudsen, *Martin.*

1906. Plankton. *Cons. perman. intern. Explor. Mer,* Bull. trim. 1905–6, No. 3 D, pp. 61–94. [pp. 67–90 *passim.*]

Kollar, *B., L.* **Fitsinger,** *& J.* **Heckel.**

1853. Bildliche Naturgeschichte des Thierreichs. 3 vols. 8°. Pest & Wien, 1853–57. [II, pp. 218–220, pl. lxxii, f. 33 (*Salpa pinnata*).]

Kollman, *Max.*

1908. Réactions chromatiques et classification des granulations leucocytaires des Invertébrés. *Compt. rend. Acad. Sci.* CXLVI, pp. 1337–1339. [p. 1339 (*Polycarpa varians*).]

Kopsch, *Friedrich.*

1904. Untersuchungen über Gastrulation und Embryobildung bei den Chordaten. I. 8°. Leipzig. [p. 10.]

Kræfft, *F.*

1908. Ueber das Plankton der A–, B–, C– Stationen in der Elbmündung in den Jahren 1905–1907. *Mitt. deutsch. Seefisch. Ver.* XXIV, pp. 30–78.

Krieghoff, *E.*

1894. Das Tierreich. *See* STABY, L.

Krueniz, *D. J. G.*

1767. Naturgeschichte des Corall-Arten. *See* ELLIS, J.

Kuekenthal, *Willy.*

1908. Ergebnisse einer zoologischen Forschungsreise nach Westindien. Einleitung und Reisebericht. *Zool. Jahrb.* Suppl. XI, I, pp. 1–12. [p. 6.]

Kumlien, *Ludwig.*

1879. Natural History of Arctic America. *See* VERRILL, A. E.

Kupffer, *Carl Wilhelm von.*

1873. Tunicata. (In) Die wirbellosen Thiere der Ostsee. Jahresb. Comm. deutsch. Meere in Kiel, 1871. I, 4, pp. 97–144. fol. Berlin. [pp. 135–137 (4 sps.).]

Lahille, *Fernando.*

1886. Étude sur la Taxonomie des Tuniciers. *Bull. Soc. Hist. nat. Toulouse,* XX, pp. xxxix–xl.

1888. Classification des Tuniciers. *Compt. rend. Assoc. Française,* XVI, I, pp. 273–274; II, pp. 667–677.

Lankester, *Sir Edwin Ray.*

1878. Comparative Anatomy. *See* Gegenbaur, C.

1891. Zoological Articles. *See* Herdman, W. A.

1898–1902. Scientific Memoirs of Huxley. *See* Huxley, T. H.

Latourneau, *Charles.*

1876. La Biologie. 8°. Padna. [pp. 186, 270.]

Lawson, *H.*

1864. Metamorphoses of Animals. *See* Quatrefages de Bréan, J. L. A. de.

Leach, *William Elford.*

1847. The Classification of the British Mollusca. *Ann. Nat. Hist.* (1) XX, pp. 267–273. [p. 271.]

Lee, *Arthur Bolles.*

1893. The Microtomist's Vade Mecum. Ed. 3. 8°. London. [pp. 10, 434.]

(Ed. 6, 1905 [pp. 12, 461–462].)

Lee, *Arthur Bolles, & Paul* **Mayer.**

1907. Grundzüge der mikroskopischen Technik für Zoologen und Anatomen. Ed. 3. 8°. Berlin. [pp. 298–299, 417–418.]

Lee, *Frederic S.*

1899. General Physiology. *See* Verworn, M.

Leidy, *Joseph.*

1855. Contributions towards a knowledge of the Marine Invertebrate Fauna of the coasts of Rhode Island and New Jersey. *Jrn. Acad. Philad.* (2) III, pp. 135–152, pls. x, xi. [p. 136 (*Ascidia*).]

Lendenfeld, *Robert von.*

1896. Report on the scientific results of the voyage of H.M.S. "Challenger." *Biol. Centralbl.* XVI, pp. 241–258. [pp. 256–257.]

1897. Die Nesselzellen der *Cnidaria*. *Biol. Centralbl.* XVII, pp. 513–530. [p. 525 (*Salpa democratica*).]

Lenz, *Harald Othmar.*

1836. Gemeinnuzige Naturgeschichte. 4 vols. 8°. Gotha, 1835–38. [III, pp. 135–136 (*Pyrosoma*).]

Leske, *Nathanael Gottfried.*

1779. Anfangsgründe der Natursgeschichte. 8°. Leipzig. [p. 507 (*Ascidia mentula, conchilega,* and *clavata*).]

Lessona, *Mario.*

1885. Fauna Italiana. *See* Camerano, L., & M. Lessona.

Leuckart, *Carl Georg Friedrich Rudolph.*

1847. Fauna des norddeutschen Meeres. *See* Frey, H., & R. Leuckart. (In Add.)

1875. Die Zoophyten. Ein Beitrag zur Geschichte der Zoologie. *Arch. Naturg.* XLI, i, pp. 70–110. [pp. 73, 93, 102, 110.]

Leunis, *Johannes.*

1866. Nomenclator zoologicus. 8°. Hannover. [pp. 84, 94.]

Levinsen, *J. Chr. L.*

1900. Travlingar i Skagerak. *See* Petersen, C. G. J., & J. C. L. Levinsen.

Lindsay, *Beatrice.*

1902. The Story of Animal Life. 12°. London. [pp. 35, 143–146.]

Linnæus, *Carl.*

1753. Museum Tessinianum, opera illustrissimi comitis, Dom. Car. Gust. Tessin, . . . collectum . . . fol. Holmiæ. [p. 123, pl. xii (Actæons-hjelm = *Microcosmus*).]

1754. Museum Adolphi Friderici regis, in quo Animalia rariora imprimis, et exotica: Quadrupedia, Aves, Amphibia, Pisces, Insecta, Vermes describuntur et suetice cum iconibus. fol. Holmiæ. [pp. 93, 96 (*Tethys mentula* and *Microcosmos gelatinosus*).]

Littré, *É.*

1850–51. Histoire naturelle. *See* Plinius secundus, *C.*

Lohmann, *Hans.*

1910. Die Appendicularien. Nachtrag. (In) K. Brandt's Nordisches Plankton, XIII Lief. (1911), iii, pp. 23–29, 3 (9) figs. 8°. Kiel & Leipzig.

1910. Die Ascidienlarven des Nordischen Planktons. (In) K. Brandt's Nordisches Plankton, XIII Lief. (1911), iii, pp. 31–47, 15 (18) figs. 8°. Kiel & Leipzig.

Lorenzen, *C. H.*

1842. Generationswechsel. *See* Steenstrup, J. J. S.

Lovén, *Sven Ludvig.*

1850. Bidrag till kännedomen om utvecklingen af Mollusca Acephala Lamellibranchiata. *Vet.-Akad. Handl.* 1848, ii, pp. 329–435, pls. x–xv, 1 table, 2 text-figs. [pp. 335, 337–338.]

Lütken, *Christian Frederik.*

1882. Dyreriget. (Lærebog i Zoologien Nr. 1.) 8°. Kjöbenhavn, 1881–82. [pp. 533, 534, 582–589, ff. 576–584.]

Lydekker, *Richard.*

1896. The Sea-squirts or Ascidians. (In) The Royal Natural History. 6 vols. 8°. London & New York, 1893–96. [V, pp. 561-572, 9 figs.].

McIntosh, *William Carmichæl.*

1872. On the abyssal theory of Light, the protozoic-absorption theory, and the azoic-mud theory, . . . *Ann. Nat. Hist.* (4) IX, pp. 1–13. [p. 3 (*Pyrosoma*).]

Marion, *Antoine Fortuné.*

1874. Recherches sur les Animaux inferieurs du Golfe de Marseille. II. Description des Crustacés Amphipodes parasites des Salpes. *Ann. Sci. nat.* (6), I, 1, 30 pp., 2 pls.

Martens, *Eduard Carl von;* **Matschie,** *Paul.*

1894. Das Tierreich. *See* Staby, L.

Mayer, *Paul.*

1898. Mikroskopische Technik. *See* Lee, A. B., & P. Mayer.

Morse, *Edward Sylvester.*

1873. The systematic position of the Brachiopoda. *Proc. Boston Soc. Nat. Hist.* XV, pp. 315–372, pl. i, 48 text-figs. [pp. 316, 368.]

Mueller, *Johannès.*

1846. Bericht über einige Thierformen der Nordsee. *Arch. Anat. Physiol.* 1846, pp. 101–110, pls. v, vi. [pp. 106–108, pl. vi, f. 1 *a-g* (*Vexillaria flabellum*).]

1847. Fortsetzung des Berichts über einige neue Thierformen der Nordsee. *Arch. Anat. Physiol.* 1847, pp. 157–179, pl. vii. [pp. 158–159 (*Vexillaria flabellum*).]

1858. Geschichtliche und kritische Bemerkungen über Zoophyten und Strahlthiere. *Arch. Anat. Physiol.* 1858, pp. 90–105. [pp. 90–93, 100–101.]

Mueller, *Philipp Ludwig Statius.*

1782. Das Ritters C. von Linné Lehr-Buch über das Natur-System so weit es das Thierreich angehet. 2 vols. 8°. Nürnberg, 1871–72. [II, pp. 435–436, 607–608, pl. xxxv, f. i (*Ascidia intestinalis*).]

Nardo, *Giovanni Domenico.*

1847. Prospetto della Fauna marina volgare del Veneto estuario . . . 44 pp. 4°. Venezia. [pp. 24–25.]

Newton, *Edward Tully.*

1887. A Classification of Animals. 15 pp. 8°. London & Liverpool. [p. 11.]

Nieremberg, *Juan Eusebio.*

1635. J. E. Nierembergii . . . Historia Naturæ, maxime peregrinæ, libris XVI distincta. fol. Antverpiæ. [Lib. VI, cap. xix (p. 101).]

Noman, *Dirk van Haren.*

1878. Lijst der Mollusca. (In) Tweede Jaarverslag omtrent het Zoologisch Station der Nederlandische dierkundige Vereeniging, . . . pp. 21–32. *Tidjschr. Nederl. dierk Ver.* III. [p. 32 (3 sps.).]

Olivi, *Joannis Baptista.*

1593. De reconditis, et præcipuis collectaneis ab honestissimo, et solertissimo. . . . 4°. Veronæ. [p. 11 (*Alcyonium quintum*).]

Orbigny, *Alcide Dessalines d'.*

1834. Céphalopodes Acétabulifères. *See* Férussac, A. d'A. de, & A. S. d'Orbigny.

Ord, *William Miller.*

1871. Notes on Comparative Anatomy. 8°. London. [pp. 7, 79, 82–88.]

Orton, *James.*

1883. Comparative Zoology: structural and systematic. (Ed. revised by E. A. Birge.) 8°. New York. [pp. 60, 107, 128, 233, 239, 305, 367, 391, ff. 278, 279.]

Perrier, *E.*

1889. Elementos di Zoología. Zoología descriptiva. 8°. Paris. [pp. 235–236, ff. 218, 219.]

Pettigrew, *James Bell.*

1908. Design in Nature. 3 vols. 4°. London. [I, pl. xli, f. 3; pl. xciii, f. 7; II, pp. 461, 536–537, f. 187; III, p. 1152, f. 493.]

Phipson, *Thomas Lambe.*

1864. The utilization of Minute Life. 8°. London. [p. 198.]

Poey, *Felipe.*

1851. Memorias sobre la Historia natural de la Isla de Cuba. 2 vols. 8°. Habana, 1851–58. [I, pp. 337–341 *passim*, 345.]

Pollard, *G. C.*

1896. Text-book of Zoology. *See* Boas, J. E. V.

Prime, *Temple.*

1870. Mollusca of Long Island. *See* Smith, S., & T. Prime.

Ranson, *W. B.*

1884. On the cardiac rhythm of Invertebrata. *Jrn. Physiol.* V, pp. 261–341, pls. vii–x. [pp. 325–326.]

Richiardi, *Sebastiano.*

1880. Contribuzioni alla Fauna d'Italia. A. Catalogo sistematica dei Crostacei che vivone sul corpo degli Animali. (In) Catalogo . . . Esposizione internazionale di Pesca in Berlino 1880, pp. 147–152. Sez. Ital. 8°. Firenze. [p. 147.]

Robin, *Ch.*

1846. Anatomie der niederer Thiere. *See* Lebert, H., & C. Robin.

Rothig, *Paul.*

1904. Handbuch der embyrologischen Technik. 8°. Wiesbaden. [pp. 130–132.]

Russell, *E. S.*

1909. Animal Ecology of the Shore. *See* King, L. A. L., & E. S. Russell.

Schaffer, *Josef.*

1910. Ueber den feineren Bau und die Entwicklung des Knorpelgewebes und über verwandte Formen der Stützsubstanz. III. *Zeitschr. wiss. Zool.* XCVII, pp. 1–90, pls. i, ii. [pp. 46–51, 73, pl. i, f. 8 (*Ascidia mamillaris*).]

Schenk, *Samuel Leopold.*

1896. Lehrbuch der Embryologie des Menschen und der Wirbelthiere. Ed. 2. 8°. Wien & Leipzig. (pp. 24–25, 63–64, 345–346, 423, 638–639, ff. 307, 308 (*Perophora Listeri*).]

Schnieder, *Carl Camille.*

1900. Grundzüge der thierischen Organisation. *Preuss. Jahrb.* CI, pp. 73–99. [pp. 85, 89, 95.]

Scott, *Andrew.*

1903. Copepoda at Ceylon. *See* Thompson, I. C., & A. Scott. (In Add.)

Scott, *Thomas.*

1900. Notes on some gatherings of Crustacea collected . . . on board the fishery steamer "Garland" . . . (1899). *Rep. Fish. Board Scotl.* XVIII, 3, pp. 382–406, pls. xiii, xiv. [pp. 386, 387, 388 (Parasitism).]

1901. Notes on some gatherings of Crustacea collected . . . on board the fishery steamer "Garland" . . . (1900). *Rep. Fish. Board Scotl.* XIX, 3, pp. 235–281, pls. xvii, xviii. [pp. 242, 243 (Parasitism).]

1906. A catalogue of land, fresh-water, and marine Crustacea found in the basin of the River Forth and its estuary. Part II. *Proc. R. Phys. Soc. Edinb.* XVI, pp. 267–386 [pp. 362–364 (Parasitism).]

Simroth, *Heinrich Rudolf.*

1892. Mollusca. (In) Bronn's Thier-Reichs, III, 1. 8°. Leipzig. [pp. 14–64 *passim*, 83.]

Straus-Durckheim, *Hercule.*

1842. Traité pratique et théoretique d'Anatomie comparative, . . . 2 vols. 8°. Paris. [I, pp. 230–231, 412–414, 415; II, pp. 59–60, 176.]

Thompson, *Isaac C., & Andrew* **Scott.**

1903. Report on the Copepoda collected by Prof. Herdman at Ceylon in 1902. *Rep. Ceylon Pearl Oyster Fisheries*, I, pp. 227–307, 20 pls., 1 text-fig. [pp. 227, 255 (Parasitism).]

Torre, *Karl Wilhelm von Dalla.*

See Dalla Torre, K. W. von.

Valenciennes, *Achille.*

1845. Appareil circulatoire chez les Mollusques. *See* Edwards, H. M., & A. Valenciennes. (In Add.)

Valle, *Antonio Della.*

See Della Valle, A.

Vogt, *Carl Christoph.*

1852. Extrait des communications . . . sur quelques Mollusques, Tuniciers, et Acalephes. *Act. Soc. Helvet.* 1852, pp. 136–144. [pp. 137–138.]

Wagner, *J.*

1899. [Collection of St. Petersburg University.] *See* Schimkewitsch, W., & J. Wagner.

Yung, *Émil.*

1890. Lehrbuch der Anatomie. *See* Vogt, C. C., & É. Yung.

ERRATA AND CORRIGENDA.*

Page 3, Aldrovandi, line 3, *after* nempe *insert* de.
„ 10, Barrois, line 3, after *Physiol.* insert (Robin).
„ „ Baudemont, line 1, for *E.* read *Émile.*
„ 11, Belon, line 2, *for* 1553 *read* 1555; *for* plusieures *read* plusieurs; line 3, *for* mémorable *read* mémorables; *for* Grece *read* Grèce.
„ 14, Bianchi, line 10, *add* pl. viii.
„ „ Bigot de Morogues, line 1, add *Pierre Marié Sébastien.*
„ 16, Boeke, line 1, for *J.* read *Jan.*
„ 19, Bostock, line 1, add *& H. T.* Riley.
„ „ Bouvier, line 1, for *Eugène L.* read *Louis Eugène.*
„ 22, Brown, line 2, *for* 1883 *read* 1832.
„ 24, Bumpus, line 1, for *Herman* read *Hermon.*
„ „ Buonanni, line 1, for *Filipo* read *Filippo.*
„ „ Burmeister, line 1, for *Hermann* read *Carl Hermann Conrad.*
„ 25, Camper, line 2, *for* Bijdrgen *read* Bijdragen.
„ 26, Carlson, line 15, *for* of direct *read* on direct.
„ 30, Cavanna, line 2, *for* Italiani *read* Italiana; line 3, *for* Ideofauna *read* Idrofauna; *for* Animale *read* Animali.
„ „ Chabry, line 3, after *Physiol.* insert (Robin).
„ 32, Claparède, line 1, for *Edouard* read *Édouard.*
„ 34, Collin, *J.*, line 3, *for* særlight *read* særligt.
„ „ Colton, *H. S.*, line 1, for *H. S.* read *Harold Sellers.*
„ 36, Costa, *O. G.*, line 1, for *Orenzio* read *Oronzio.*
„ 37, Cuvier, line 1, read *Georges Léopold Crétien Frédéric Dagobert.*
„ 39, Dalla Torre, line 1, for *K. W.* read *Karl Wilhelm von.*
„ 41, Daumézon, lines 3 and 5, for *Français* read *Française.*
„ 45, Delle Chiaje, line 11, *after* Sicilia *insert* citeriori, *and after* osservati *insert* vivi.
„ „ Delsman, line 3, *after* III *insert* (1911) ii.
„ „ Déshayes, line 1, read Deshayes.
„ „ Deslonchamps, line 1, read Deslongchamps, *Eugène Eudes.*
„ 46, Desmarest, *A. G.*, line 1, for *Anselm* read *Anselme.*
„ 49, Driesch, line 1, after *Hans* insert *Adolf Eduard.*

* Including extensions of Christian names, mostly taken from the excellent Catalogue of the Books, &c., in the British Museum (Natural History), compiled by the Librarian, Mr. B. B. Woodward, and now in course of publication.

Page 50, Duvernoy, line 1, for *Lewis* read *Louis*.
„ „ Eckstein, line 1, for *K.* read *Karl*.
„ 51, Edwards, line 1, for —,read *Achille*.
„ 54, Farman and Farran, line 1, read **Farran**, *George P.*
„ 55, Fiedler, line 1, after *Karl* insert *Alfred*.
„ 56, Flemming, line 1, for *W.* read *Walther*.
„ 63, Garstang, *delete* lines 5–7, the article on Sea-squirts being by the editor of the Royal Natural History, Mr. Richard Lydekker.
„ 64, Gerstaecker, line 3, *for* G. *read* C.
„ „ Gervais, line 1, for *Francois* read *François*.
„ 67, Giglioli, line 2, delete *Estr.*
„ 71, Gray, line 3, *for* XX *read* XV.
„ 72, Guérin-Meneville, line 1, read **Gaérin-Méneville**, *Félix Édouard*.
„ „ Gunner, line 5, for *Gess.* read *Ges.*; line 7, *for* Rogle *read* Nogle.
„ 75, Hartmeyer, line 4 from bottom, *for* Artkis *read* Arktis.
„ 76, „ line 7 from bottom, *for* Nordösthyst *read* Nordöst Kyst.
„ 77, Hartwig, line 1, after *Georg* insert *Ludwig*.
„ „ Hasselt, line 2, for *Allgem.* read *Algem.*
„ 80, Herdman, line 3, *for* Ascidiadæ *read* Ascidiidæ.
„ 83, „ line 11 from bottom, *for* 562 *read* 662; line 7 from bottom, for *Syntethis* read *Syntethys*.
„ 87, „ line 14, *for* Biological *read* Biology.
„ 89, Hickson, line 1, for *J.* read *John*.
„ 90, Hjort, line 12 from bottom, *delete* and *Oithonella*.
„ „ „ bottom line, *for* Apellöf *read* Appellöf.
„ 91, Hoeven, line 2, *for* Handboch *read* Handboek.
„ 93, Hubrech, line 1, for *A. A. W.* read *Ambrosius Arnold Willem*.
„ „ Hurst, line 1, for *C.* read *Charles*.
„ 96, Imperato, line 2, *for* de *read* di.
„ „ Jacobsohn, line 2, *for* Seas *read* Sea.
„ „ Jeffreys, line 1, for *James Gywn* read *John Gwyn*.
„ 97, Johnstone, line 3, delete (*Oithona similis*).
„ 98, Joliet & Selleir, line 1, for *F.* read *L.*
„ 99, Jones, line 2, *for* 1851 *read* 1871.
„ „ Jonstonus, line 2, *for* aquaticus *read* aquaticis.
„ „ Joubin, line 1, for *L.* read *Louis*.
„ 100, Jourdan, line 1, for *E.* read *Étienne*.
„ 103, Kellner, line 9, *after* Kellner *insert* (In Add.).
„ 104, Kerr, line 3, *for* Africa *read* Arran.
„ „ Kiær, H., line 1, for *H.* read *Hans*.
„ 105, Kinkelin, line 1, for *F.* read *George Friedrich*.
„ 106, Klunzinger, line 1, for *C. B.* read *Carl Benjamin*.
„ „ Knauer, line 1, after *Friedrich* insert *Karl*; line 3, *for* Dalta *read* Dalla.
„ 107, Knudsen, line 1, after *Martin* insert *Hans Christian*.
„ „ Koehler, line 1, for *R.* read *Réne*.

Page 110, KRAEMER, line 3, *for* Ocean *read* Ozean.
„ 112, KUHL, line 2, for *Allgem.* read *Algem.*
„ 113, KUPFFER, line 8, for *Entwickl.* read *Entwickel.*
„ 114, LAHILLE, line 3, after *Soc.* insert *Hist. nat.*
„ 115, „ line 17, *for* Branyuls-sur-Mer *read* Banyuls-sur-Mer.
„ 116, LAMEERE, line 6, for *Octanemus* read *Octacnemus.*
„ 121, LEUCKART, line 6, *for* Verwandtsschafts *read* Verwandtschafts.
„ 122, LEUCKART, line 1, for *R.* read *C. G. F. R.*
„ „ LEUNIS, line 7, *after* 1883–86. *insert* 8°. Hannover.
„ „ LINDSAY, line 1, for *B.* read *Beatrice.*
„ 127, LOHMANN, line 6 from end, *for* dersalben *read* derselben.
„ 142, MEYER, line 1, read Mayer, *Paul*; line 2, *for* Mikroskopischen *read* Mikroskopische.
„ 145, MOQUIN-TANDON, *J.*, line 1, for *J.* read *Gaston.*
„ 185, ROULE, line 8 from bottom, *for* Phallusidées *read* Phallusiadées.
„ 186, „ line 12 from bottom, *for* peculiarités *read* particuliarités.
„ 187, „ line 3, *for* Gascoyne *read* Gascogne; line 11, *for* marins *read* marines.
„ 200, SCHWEIGGER, line 3, *for* pp. 55–56 *read* pp. 54–60.
„ 203, SEELIGER, line 4 from bottom, *for* schwanze *read* schwanzes.
„ 211, SOLLAS, line 1, for *H.* read *Hertha.*
„ 214, STERN, delete the entry.

In Brandt's 'Nordisches Plankton' I signifies Lief. I as issued. The Tunicata will form part of Zoologie, Band II, or Band III of the entire work. See pp. 4 (Apstein), 18 (Borgert), and 126 (Lohmann).

LIST OF PERIODICAL PUBLICATIONS, ETC., CITED.

Abh. Akad. Wiss. Berlin.—Abhandlungen der königlich Preussischen Akademie der Wissenschaften zu Berlin. 4°. Berlin.

Abh. deutsch. Seefisch.-Ver.—Abhandlungen des deutschen Seefischerei-Vereins. 4°. Berlin.

Abh. Schles. Ges. vat.-Cult.—Abhandlungen der Schlesischen Gesellschaft für vaterländische-Cultur. Abth. für Naturwissenschaften und Medicin. 8°. Breslau.

Abh. Senckenb. nat. Ges.—Abhandlungen herausgegeben von der Senckenbergischen naturforschenden Gesellschaft. 4°. Frankfurt a.-M.

Acta Soc. Fauna Fenn.—Acta Societatis pro Fauna et Flora Fennica. 8°. Helsingfors.

Acta Soc. Scient. Fenn.—Acta Societatis Scientiarum Fennicæ. 4°. Helsingfors.

Act. Mus. Rouen.—Actes du Muséum d'Histoire naturelle de Rouen. 8°. Rouen.

Act. Soc. Helvét.—Actes de la Société Helvétique des Sciences naturelles. 8°. (Loc. var.)

Act. Soc. Linn. Bordeaux.—Actes de la Societé Linnéenne de Bordeaux. 8°. Bordeaux.

Algem. Konst Letterb.—Algemene Konst- en Letter-bode. 8°. Haarlem.

Allatt. Közlem. Társul.—Allattani Közlemények a Királyi Magyar Természettudományi Társulat állattani szakosztályának folyóirata. 8°. Budapest.

Amer. Jrn. Conchol.—The American Journal of Conchology. 8°. Philadelphia.

Amer. Jrn. Physiol.—The American Journal of Physiology. 8°. Boston, Mass.

Amer. Jrn. Sci. (Arts).—The American Journal of Science (and Arts). 8°. New Haven, Conn.

Amer. Naturalist.—The American Naturalist. 8°. Philadelphia.

Amtl. Ber. deutsch. Naturf.—Amtlicher Bericht der Gesselschaft deutscher Naturforscher und Aertze. 4°. Berlin.

Anales Soc. Española Hist. nat.—Anales Real Sociedad Española de Historia natural. 8°. Madrid.

Anat. Anzeig.—Anatomischer Anzeiger. 8°. Jena.

Ann. Botany.—Annals of Botany. 8°. Oxford.

Ann. Chem. Pharm.—Annalen der Chemie und Pharmacie (Liebig's). 8°. Leipzig & Heidelberg. (Continued from 1874 as)

Ann. Chemie.—Annalen der Chemie. 8°. Leipzig & Heidelberg.

Année biol.—L'Année biologique. 8°. Paris.

Ann. Hydrogr.—Annalen der Hydrographie und maritimen Meteorologie. (Deutsche Seewarte in Hamburg.) 8°. Berlin.

Ann. Lyceum New York.—Annals of the Lyceum of Natural History. (Now New York Academy of Sciences.) 8°. New York.

Ann. Mus. Hist. nat.—Annales du Muséum d'Histoire naturelle. 4°. Paris.

Ann. Mus. Marseille.—Annales du Musée d'Histoire naturelle de Marseille. 4°. Marseille.

Ann. Mus. St. Pétersb.—Annuaire du Musée zoologique de l'Académie Impériale des Sciences de St. Pétersbourg. 8°. St. Pétersbourg.

Ann. Nat. Hist.—Annals and Magazine of Natural History. 8°. London.

Ann. New York Acad. Sci.—Annals of the New York Academy of Sciences. 8°. New York.

Annot. zool. Japon.—Annotationes zoologicæ Japonensis. 8°. Tokyo.

Ann. Sci. nat.—Annales des Sciences naturelles. Zoologie et Paléontologie. 8°. Paris.

Ann. Sci. nat. Porto.—Annaes de Sciencias naturaes. 8°. Porto.

Ann. Scott. Nat. Hist.—The Annals of Scottish Natural History. 8°. Edinburgh and London.

Ann. Soc. Linn. Lyon.—Annales de la Société Linnéenne de Lyon. 8°. Lyon.

Ann. Soc. malac. Belg.—Annales de la Société royale malacologique de Belgique. (Mémoires et Bulletin.) 8°. Bruxelles.

Ann. Soc. Rochelle.—Annales de la Société des Sciences naturelles de la Charente-inferieure. Académie de la Rochelle. 8°. La Rochelle.

Ann. Univ. Lyon.—Annales de l'Université de Lyon. 8°. Paris.

Anzeig. Akad. Wiss. Krakau.—Anzeiger der Akademie der Wissenschaften in Krakau. 8°. Cracovie.

Arb. Inst. Würzburg.—Arbeiten aus dem zoologisch-zootomischen Institut in Würzburg. 8°. Würzburg & Wiesbaden.

Arb. zool. Inst. Wien.—Arbeiten aus dem zoologischen Institut der Universität Wien und der zoologischen Station in Triest. 8°. Wien.

Arch. Anat. Entwick.—Archiv für Anatomie und Entwickelungsgeschichte. Anat. Abth. Arch. Anat. Physiol. 8°. Leipzig.

Arch. Anat. Physiol.—Archiv für Anatomie und Physiologie. [Title varies.] 8°. Berlin ; Leipzig.

Arch. Biologie.—Archives de Biologie. 8°. Gand & Paris.

Arch. Entwick. Org.—Archiv für Entwickelungsmechanik der Organismen. 8°. Leipzig.

Arch. ges. Physiol.—Archiv für die gesammte Physiologie des Menschen und der Thiere (Pfluger's). 8°. Bonn.

Arch. Hydrobiol. Plankt.—Archiv für Hydrobiologie und Planktonkunde. (Biologische Station zu Plön.) 8°. Stuttgart.

Arch. Ital. Biol.—Archives Italiennes de Biologie. 8°. Turin.

Arch. mikr. Anat.—Archiv für mikroskopische Anatomie. 8°. Bonn.

Arch. Naturg.—Archiv für Naturgeschichte. 8°. Berlin.

Arch. Parasitol.—Archives de Parasitologie. 8°. Paris.

Arch. Rassen-Biol.—Archiv für Rassen- und Gesellschafts-Biologie. 8°. München.

Arch. Sci. phys. nat.—Archives des Sciences physiques et naturelles. Bibliothèque universelle. 8°. Genève.

Arch. Ver. Mecklenb.—Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg. 8°. Güstrow.

Arch. Zellforsch.—Archiv für Zellforschung. 8°. Leipzig.

Arch. Zool. expér.—Archives de Zoologie expérimentale et générale. 8°. Paris.

Arch. zool. Ital.—Archivio zoologico publicato solto gli auspicii della unione zoologica Italiana. 8°. Napoli.

Arkiv Zoologi.—Arkiv för Zoologi. (K. Svenska Vet.-Akad.) 8°. Uppsala & Stockholm.

Atti Accad. Lincei.—Atti della R. Accademia dei Lincei. (Memorie e Rondiconti.) 4°. Roma.

Atti Accad. Sci. Napoli.—Atti della R. Accademia delle Scienze fisiche e matematiche. Società Reale di Napoli. 4°. Napoli.

Atti Accad. Siena.—Atti della Reale Accademia dei Fisiocriciti di Siena. 8°. Siena.

Atti Soc. Ital.—Atti della Società Italiana di Scienze naturali (e del Museo civico di storia naturale in Milano). 8°. Milano.

Austral Assoc. Adv. Sci.—Australian Association for the Advancement of Science. Report. 8°. Sydney.

Beitr. chem. Physiol. Path.—Beiträge zur chemischen Physiologie und Pathologie. Zeitschrift für die gesammte Biochemie. 8°. Braunschweig.

Ber. Danske biol. Stat.—Beretning til Indenrigaministariat fra den Danske biologiske Station. 8°. Kjöbenhavn.

Ber. Deutsche chem. Ges.—Berichte der Deutschen chemischen Gesellschaft. 8°. Berlin.

Bergens Mus. Aarbog.—Bergens Museums Aarbog. (Afhandlinger og Aarsberetning.) 8°. Bergen.

Bergens Mus. Aarsb.—Bergens Museums Aarsberetning. 8°. Bergen.

Ber. nat. Ges. Freiburg.—Berichte der naturforschenden Gesellschaft zu Freiburg, i. B. 8°. Freiburg, i. B.

Ber. Senck(enb). nat. Ges.—Bericht über die Senckenbergische naturforschende Gesellschaft in Frankfurt-am-Main. 8°. Frankfurt.

Ber. Ver. Innsbruck.—Berichte des naturwissenschaftlich-medizinischen Verein in Innsbruck. 8°. Innsbruck.

Bibl. Conchyl.—Bibliothèque conchyliogique. Par J. C. Chenu. 8°. Paris.

Bibl. École haut. études.—Bibliothèque de l'École des hautes études. Section des Sciences naturelles. 8°. Paris.

Bibl. Zoologica.—Bibliographia Zoologica. (Part of) Zoologischer Anzeiger. 8°. Leipzig.

Bih. Göteborgs Vet. Handl.—Bihang till Göteborgs kongliga Vetenskaps- och Vitterhets-samhälles Handlingar. 8°. Göteborg.

Bih. Svenska Vet.-Akad. Handl.—Bihang till kongliga Svenska Vetenskaps-Akademiens Handlingar. 4°. Stockholm.

Biochem. Zeitschr.—See *Beitr. chem. Physiol. Path.*

Biol. Bull. Woods Holl.—Biological Bulletin of the Marine Biological Laboratory, Woods Holl, Mass. 8°. Woods Holl.

Biol. Centralbl.—Biologisches Centralblatt (from 1908 Zentralblatt). 8°. Leipzig.

Biol. Fören. Förh.—Biologiska Föreningens Förhandlingar. 8°. Stockholm & Leipzig.

Biol. Lectures Woods Holl.—Biological Lectures from the Marine Biological Laboratory of Woods Holl. 8°. Boston, U.S.A.

Biol. Zentralbl.—Biologisches Zentralblatt (to 1907 Centralblatt). 8°. Leipzig.

Blätt. Aq.-Terr.-Freunde.—Blätter der Aquarien- und Terrarien-Freunde. 8°. Berlin.

Boll. Soc. geogr. Ital.—Bollettino della Società geografica Italiana. 8°. Roma.

Boll. Soc. Nat. Napoli.—Bollettino della Società di Naturalisti in Napoli. 8°. Napoli.

Boston Jrn. Nat. Hist.—Boston Journal of Natural History, containing papers . . . read to the Boston Society of Natural History. 8°. Boston (U.S.A.).

Bull. Acad. (Sci.) Belg.—Bulletins de l'Académie royale des Sciences, des Lettres, et des Beaux-arts de Belgique. 8°. Bruxelles.

Bull. Acad. (Sci.) Cracovie.—Bulletin international de l'Académie des Sciences de Cracovie. 8°. Cracovie.

Bull. Acad. (Sci.) St. Pétersb.—Bulletin de l'Académie impériale des Sciences de St. Pétersbourg. 8°. St. Pétersbourg.

Bull. Essex Inst.—Bulletin of the Essex Institute. 8°. Salem.

Bull. internat. Acad. Cracovie.—See *Bull. Acad. Sci. Cracovie.*

Bull. internat. expl. Mer.—Conseil permanent international pour l'exploration de la Mer. Bulletin des résultats aquis pendant les courses périodiques. 4°. Copenhague.

Bull. Mus. Comp. Zool.—Bulletin of the Museum of Comparative Zoology at Harvard College in Cambridge. 8°. Cambridge, Mass.

Bull. Mus. Hist. nat.—Bulletin du Muséum d'Histoire naturelle. 8°. Paris.

Bull. Mus. océanogr. Monaco.—Bulletin du Musée océanographique de Monaco. 8°. Monaco.

Bull. sci. dép. Nord.—Bulletin scientifique du department du Nord et des Pays voisins. 8°. Paris. (Continued as)

Bull. sci. France Belg.—Bulletin scientifique de la France et de la Belgique. 8°. Paris.

Bull. Sci. nat. (géol.).—Bulletin des Sciences naturelle et de géologie. 8°. Paris.

Bull. Soc. Hist. nat. Toulouse.—Société d'Histoire naturelle de Toulouse. Bulletin. 8°. Toulouse.

Bull. Soc. Linn. Normandie.—Bulletin de la Société Linnéenne de Normandie. 8°. Caen.

Bull. Soc. Ouest France.—Bulletin de la Société des Sciences naturelles de l'Ouest de la France. 8°. Paris & Nantes.

Bull. Soc. philom. (Paris).—Bulletin des Sciences, par la Société philomatique de Paris. 4°. Paris.

Bull. Soc. Sci. nat. Rouen.—Bulletin de la Société des amis des Sciences naturelles de Rouen. 8°. Rouen.

Bull. Soc. Sci. Toulouse.—Bulletin de la Société des Sciences physiques et naturelles de Toulouse. 8°. Toulouse.

Bull. Soc. zool. France.—Bulletin de la Société zoologique de France. 8°. Paris.

Bull. U. S. Fish Comm.—Bulletin of the United States Fish Commission 8°. Washington.

Bull. U. S. Nation. Mus.—Bulletin of the United States National Museum. 8°. Washington.

Canad. Naturalist.—The Canadian Naturalist and Geologist (to 1863). The Canadian Naturalist and Quarterly Journal of Science (from 1864). 8°. Montreal.

Carnegie Inst. publ.—Carnegie Institution of Washington. Publications. 8° and 4°. Washington.

Caus. scient. Soc. zool. France.—Causeries scientifiques de la Société zoologique de France. 8°. Paris.

Cellule.—La Cellule: Recueil de Cytologie et d'Histologie générale. 4°. Lierre & Louvain.

Centralbl. Bakt. Parasit.—Centralblatt für Bakteriologie, Parasitenkunde, und Infektionskrankheiten. 8°. Jena.

Coll. Académique.—Collection Académique, composée des Mémoires, Actes, ou Journaux des plus célèbres Académies. 4°. Paris.

Comm. Millport Biol. Stat.—Communications from the Millport Marine Biological Station. 8°. Glasgow.

Compt. rend. Acad. Sci.—Comptes rendus hebdomadaires des Séances de l'Académie des Sciences. 4°. Paris.

Compt. rend. Assoc. Française.—Compte rendu de l'Association Française pour l'avancement des Sciences. 8°. Paris.

Compt. rend. Congr. internat. Zool.—Compte rendu du Congrès international de Zoologie. 8°. (Loc. var.)

Compt. rend. Soc. Biol.—Comptes rendus hebdomadaires des Séances et Mémoires de la Société de Biologie. 8°. Paris.

Compt. rend. Soc. Sci. Toulouse.—Compte rendu de la Societé des Sciences physiques et naturelles de Toulouse. 8°. Toulouse.

Congr. internat. Zool.—Congrès international de Zoologie. 8°. (Title and loc. vary.)

Cons. perman. internat. Explor. Mer.—Conseil permanent international pour l'Exploration de la Mer. 4°. Copenhague.

Cosmos.—Cosmos; Revue encyclopédique hebdomedaire des progrès des Sciences et de leurs applications aux arts et à l'industrie. 8°. Paris.

Danske vid. Selsk. Skrift.—Det kongelige Dansk videnskabernes Selskab Skrifter. Naturvidenskabelig og mathematisk Afdeling. 8°. Kjöbenhavn.

Denkschr. Akad. (Wiss.) Wien.—Denkschriften der kaiserlichen Akademie der Wissenschaften zu Wien. 4°. Wien.

Denkschr. Ges. Jena.—Denkschriften der medecinisch-naturwissenschaftlichen Gesellschaft zu Jena. 4°. Jena.

Denkschr. Schweiz. Ges.—Denkschriften der allgemeinen Schweizerischen Gesellschaft für die gesammten Naturwissenschaften. 4°. Zürich.

Deutsch. Archiv Physiol.—Deutsches Archiv für die Physiologie. (Title varies.) 8°. Halle & Berlin.

Deutsch. Geograph.—Deutsche geographische Blätter. 8°. Bremen & Leipzig.

Dronth. Ges. Schrift.—Schriften der Drontheimischen Gesellschaft. 8°. Kopenhagen & Leipzig.

Edinb. (new) Philos. Jrn.—Edinburgh (new) Philosophical Journal ("new" from 1826). 8°. Edinburgh.

Ephem. Akad. Nat. Cur.—Ephemerides . . . Academia Naturæ curiosum: . . . 4°. Jena, Frankfurt, & Lipsiæ.

Ergebn. Anat. Entwick.—Ergebnisse der Anatomie und Entwicklungsgeschichte. 8°. Wiesbaden.

Ergebn. Physiol.—Ergebnisse der Physiologie. (I Abt. Biochemie; II Abt. Biophysik und Psychophysik.) 8°. Wiesbaden.

Essex Naturalist.—The Essex Naturalist. (Essex Field Club.) 8°. Buckhurst Hill.

Fiskeri-Beretning.—Fiskeri-Beretning. (Includes Beretning fra der Danske biologiske Station.) 8°. Copenhagen.

Forh. Skand. Naturf.—Forhandlingar ved det Skandinaviska Naturforskaremötet. 8°. Christiania.

Forh. Vid.-Selsk. Christ.—Forhandlinger i Videnskabs-Selskabet i Christiania. 8°. Christiania.

Fortschr. Tagsber.—Tagsberichte über die Fortschritte der Natur- und Heilkunde. 8°. Weimar.

Geogr. Jrn.—The Geographical Journal. (Royal Geographical Society.) 8°. London.

Geol. Surv. Canada.—Geological Survey of Canada. Annual Report of the Director. 8°. Ottawa.

Göteborgs Vet. Handl.—Göteborgs kongliga Vetenskaps- och Vitterhets-Samhället Handlingar. 8°. Götheborg.

Institut.—L'Institut. fol. Paris.

Internat. Cat. Sci. Lit.—International Catalogue of Scientific Literature. 8°. London.

Internat. Jrn. Micr.—The International Journal of Microscopy and Natural Science. 8°. London.

Internat. Rev. Hydrobiol.—Internationale Revue der gesammten Hydrobiologie und Hydrographie. 8°. Leipzig.

Irish Naturalist.—The Irish Naturalist. 8°. Dublin.

Isis.—Isis, oder Enclyclopädische Zeitung von Oken. 4°. Jena.

Ist. Veneto Scienze.—I. R. Istituto Veneto di Scienze, Lettere, et Arti. 4°. Venezia.

Izv. Obshch. Moskov. Univ.—Isvyestiya imperatorskagho obshchestrva . . . Moskovskom Universitetye. 4°. Moscow.

Jahrb. Hamburg. wiss. Anst.—Jahrbuch der Hamburgischen wissenschaftlichen Anstalten. 8°. Hamburg.

Jahrb. nassau. Ver. Naturk.—Jahrbücher des nassauischen Vereins für Naturkunde. 8°. Wiesbaden.

Jahrb. Naturg.—Jahrbuch der Naturgeschichte, . . . (I, 1802). 8°. Leipzig.

Jahresb. Anat. Physiol.—Jahresbericht über die Fortschritte der Anatomie und Physiologie. 8°. Bonn.

Jahresb. Ges. Hannover.—Jahresbericht der naturhistorischen Gesellschaft zu Hannover. 8°. Hannover.

Jahresb. Westfäl. Prov.-Ver.—Jahresbericht des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst. 8°. Münster.

Jahresb. zool. Stat. Neapel.—See *Zool. Jahresb.*

Japiski Kiev Obshch.—Japīskī Kievskoc Obshchestvo Estestvoīspuitatelei. [Kiev Naturalists' Society.] 8°. Kiev.

Jena. Zeitschr. Naturw.—Jenaische Zeitschrift für Naturwissenschaft. 8°. Jena.

Johns Hopkins Univ. Circ.—Johns Hopkins University Circulars. 4°. Baltimore.

Jrn. Acad. Philad.—Journal of the Academy of Natural Sciences of Philadelphia. 8°. Philadelphia.

Jrn. Anat. Physiol.—The Journal of Anatomy and Physiology. 8°. London and Cambridge.

Jrn. Anat. Physiol. (Robin).—Journal de l'Anatomie et de Physiologie normales et pathologiques de l'homme et des animaux (fondé par C. Robin). 8°. Paris.

Jrn. Coll. Sci. Tokyo.—Journal of the College of Science, Imperial University of Tokyo, Japan. 4°. Tōkyō.

Jrn. Comp. Neurology.—Journal of Comparative Neurology and Psychology. 8°. Philadelphia.

Jrn. Conchyl.—Journal de Conchyliologie. 8°. Paris.

Jrn. Exper. Zool.—The Journal of Experimental Zoology. 8°. Baltimore.

Jrn. I. Man N. H. Soc.—The Journal of the Isle of Man Natural History and Antiquarian Society. 8°. Douglas.

Jrn. Linn. Soc. Lond., Zool.—Journal of the Linnean Society of London. Zoology. 8°. London.

Jrn. Marine Biol. Assoc.—Journal of the Marine Biological Association of the United Kingdom. 8°. Plymouth.

Jrn. Marine Zool.—Journal of Marine Zoology and Microscopy. 8°. Jersey.

Jrn. Microg.—Journal de Micrographie. 8°. Paris.

Jrn. Morphol.—Journal of Morphology. 8°. Boston, U.S.A.

Jrn. Oxford Univ. Club.—Journal of the Oxford University Junior Scientific Club. 8°. Oxford.

Jrn. Physiol.—The Journal of Physiology (Foster's). 8°. Cambridge.

Jrn. Physique.—Journal de Physique, de Chemie, et d'Histoire naturelle. (Cont. of *Obs. Physique*, q. v.) 4°. Paris.

Jrn. Quekett Micr. Club.—The Journal of the Quekett Microscopical Club. 8°. London.

Jrn. R. Inst. Cornwall.—Journal of the Royal Institution of Cornwall. 8°. Truro.

Jrn. R. Micr. Soc.—Journal of the Royal Microscopical Society. 8°. London.

Jrn. R. Soc. N. S. Wales.—Journal and Proceedings of the Royal Society of New South Wales. 8°. Sydney.

Jrn. Zoologie.—Journal de Zoologie. 8°. Paris.

Kolon. Mus. Haarlem.—Koloniaal Museum. Nederlandische Maatschappij ter Bevordering van Nijverheid. 8°. Haarlem.

Korr.-bl. Nat.-Ver. Riga.—Korrespondenzblatt des Naturforscher-Vereins zu Riga. 8°. Riga.

Kosmos.—Kosmos. Zeitschrift für (Entwickelungslehre und) einheitliche Weltanschauung. (Title varies.) 8°. Stuttgart.

Leopoldina.—Leopoldina. Amtliches Organ der k. Leopoldinisch-carolinischen deutschen Akademie der Naturforscher. 4°. Halle, &c.

Lioar Manninagh.—Yn Líoar Mannínagh. (Isle of Man Nat. Hist. Soc.) 8°. Douglas.

Lit. Centralbl. Deutschl.—Literarisches Centralblatt für Deutschland. 8°. Leipzig.

Lond. Edinb. Phil. Mag.—London and Edinburgh Philosophical Magazine and Journal of Science. 8°. London.

London Medical Repos.—The London Medical Repository, monthly journal and review. 8°. London.

Lotos. — Deutscher naturwissenschaftlich-medicinischer Verein für Boehmen "Lotos." 8°. Prague.

Mag. Nat. Hist.—The Magazine of Natural History. 8°. London.

Mag. Naturgesch.—Magazin für das Neuste aus der Physik und Naturgeschichte. 8°. Gotha.

Mag. Naturkunde.—Magazin für allgemeine Naturkunde und Thier-Geschichte. 8°. Göttingen, Leipzig.

Mag. Naturvid.—Magazin for Naturvidenskaberne. 8°. Christiania.

Mag. Phys. Natury.—Magazin für das Neuste aus der Physik und Naturgeschichte. 8°. Gotha.

Mag. Zool.—Magazin de Zoologie. 8°. Paris.

Medd. Grönland.—Meddelelser om Grönland, . . . 8°. Kjöbenhavn.

Medd. kongl. Landtbr.—Meddelanden från kongl. Landtbruksstyrelsen. 8°. Uppsala.

Medd. Soc. Fauna Fenn.—Meddelanden af Societas pro Fauna et Flora Fennica. 8°. Helsingfors.

Mém. Acad. (Sci.) (Inst.) France.—Mémoires de l'Académie des Sciences de l'Institut de France. 4°. Paris.

Mém. Acad. Sci. Montpell.—Mémoires de la section des Sciences de l'Académie des Sciences et Lettres de Montpellier. 4°. Montpellier.

Mém. Acad. Sci. St. Pétersb.—Mémoires de l'Académie impériale des Sciences de Saint-Pétersbourg. 4°. St. Pétersbourg.

Mem. Accad. Sci. Napoli.—Memorie della Reale Accademia delle Scienze fisiche e matematiche di Napoli. 4°. Napoli.

Mem. Boston Soc. Nat. Hist.—Memoirs read before the Boston Society of Natural History. 4°. Boston (U.S.A.).

Mem. Challenger Soc.—Memoirs of the Challenger Society. 8°. London.

Mém. Inst. Genèv.—Mémoires de l'Institut national Genèvois. 4°. Genève.

Mem. Johns Hopkins Univ.—Memoirs from the Biological Laboratory of the Johns Hopkins University. 4°. Baltimore.

Mem. Manch. Lit. Phil. Soc.—Memoirs and Proceedings of the Manchester Literary and Philosophical Society. 8°. Manchester.

Mém. Math. Phys. Acad. Sci.—Mémoires de Mathematique et de Physique de l'Académie royale des Sciences. 4°. Paris.

Mem. Mus. Comp. Zool.—Memoirs of the Museum of Comparative Zoology at Harvard College. 4°. Cambridge, Mass.

Mém. Mus. Hist. nat.—Mémoires du Muséum d'Histoire naturelle. 4°. Paris.

Mem. National Acad. Sci.—Memoirs of the National Academy of Sciences. 4°. Washington.

Mém. Soc. Biol. Paris.—Mémoires de la Société de Biologie. 8°. Paris.

Mém. Soc. Genève.—Mémoires de la Societé de Physique et d'Histoire naturelle de Genève. 4°. Genève.

Mém. Soc. Linn. Nord France.—Mémoires de la Société Linnéenne du Nord de la France. 8°. Amiens.

Mém. Soc. zool. France.—Mémoires de la Société zoologique de France. 8°. Paris.

Mem. Wernerian Soc.—Memoirs of the Wernerian Natural History Society. 8°. Edinburgh.

Micros. Jrn.—Microscopical Journal and Structural Record. 8°. London.

Minnesota Geol. Surv. Bull. – Geological and Natural History Survey of the State of Minnesota. Bulletin. 8°. St. Paul & Minneapolis.

Mitth. deutsch. Ostasiens Tokyo.—Mittheilung der deutschen Gesellschaft für Natur- und Völkerkunde Ostasiens in Tokyo. 8°. Yokohama.

Mitt. deutsch. Seefisch.-Ver.—Mitteilungen des deutschen Seefischerei-Vereins. 8°. Berlin.

Mitt. nat. Mus. Hamburg.—Mitteilungen aus dem naturhistorischen Museum in Hamburg. 8°. Hamburg.

Mitth. pharm. Inst. Erlangen.—Mittheilung aus den pharmaceutischen Institute . . . der Universität Erlangen. 8°. München.

Mitth. zool. Stat. Neapel.—Mittheilung aus der zoologischen Station zu Neapel. 8°. Berlin.

Monatsb. Akad. Wiss. Berlin.—Monatsberichte der königlich-preussischen Akademie der Wissenschaften zu Berlin. 8°. Berlin.

Monit. Zool. Ital.—Monitore Zoologico Italiano. 8°. Firenze.

Monthly Internat. Jrn. Anat. (Physiol.).—Monthly International Journal of Anatomy and Physiology. (Title varies.) 8°. London, &c.

Monthly Micr. Jrn.—Monthly Microscopical Journal. 8°. London.

Morphol. Jahrb.—Morphologisches Jahrbuch: eine Zeitschrift für Anatomie und Entwickelungsgeschichte. 8°. Leipzig.

Münch. medizin. Wochenschr.—Münchener medicinische Wochenschrift. 4°. München.

Nachr. Ges. Wiss. Göttingen.—Nachrichten von der königl. Gesellschaft der Wissenschaften und der Georg Augusts Universität zu Göttingen. 8°. Göttingen.

Nat. Science.—Natural Science: a monthly review of scientific progress. 8°. London & New York.

Nat. Tidsskrift.—Naturhistorisk Tidsskrift. 8°. Kjöbenhavn.

Nat. Tijdschr. Nederl. Ind.—Natuurkundig Tijdschrift voor Nederlandsch-Indie. 8°. Batavia.

Naturaliste.—Le Naturaliste. 8°. Paris.

Nature.—Nature: a weekly illustrated journal of Science. 12°. London.

Naturforscher.—Der Naturforscher. Wochenblatt zur Verbreitung der Fortschritte in den Naturwissenschaften. fol. Tubingen.

Naturw. Woch(enschr).—Naturwissenschaftlichen Wochenschrift. 4°. Jena.

Nederl. Maatsch. Haarlem.—Nederlandsche Maatschappij ter Bevordering van Nijverheid. Koloniaal Museum. 8° and 4°. Haarlem.

Neue Denkschr. Schweiz. Ges.—See *Denkschr. Schweiz. Ges.*

Neue Notizen.—See *Notizen.*

Norske Vid.-Selsk. Skrift.—Det kongelige Norske Videnskabernes-Selskabs Skrifter. 8°. Trondhjem.

Notizen.—Notizen aus dem Gebiete der Natur- und Heilkunde. (Neue Notizen, 1837–46.) 4°. Weimar.

Nouv. Bull. Sciences.—See *Bull. Soc. philom. Paris.*

Nouv. Bull. Soc. philom.—See *Bull. Soc. philom. Paris.*

Nouv. Mém. Acad. (Sci.) Belg.—Nouveaux Mémoires de l'Académie royale des Sciences, des Lettres, et des Beaux-Arts de Belgique. 4°. Bruxelles.

Nouv. Mém. Soc. Helvet.—Nouveaux Mémoires de la Société Helvétique des Sciences naturelles. 4°. Zurich.

Nova Acta Acad. Leop.-Car.—Nova Acta Academiæ Cæsaræ Leopoldino-Carolinæ Germanicæ naturæ curiosum. 4°. Halle, &c.

Nova Acta Acad. sci. Petropol.—Nova Acta Academiæ scientiarum imperialis Petropolitanæ. 4°. Petropoli [St. Petersburg].

Nya Handl. Vet. Akad.—See *Svenska Vet. Akad. Handl.* (Nya 1780–1812.)

Nyt Mag. Naturvid.—Nyt Magazin for Naturvidenskaberne. 8°. Christiania.

Obs. Physique.—Observations et Mémoires sur la Physique, sur l'Histoire naturelle, et sur les Arts. (To 1793; Journal de Physique from 1794.) 4°. Paris.

Oefvers Svenska Vet.-Akad. Förh.—Oefversigt af kongelige Svenska Vetenskaps-Akademie. Förhandlingar. 8°. Stockholm.

Opusc. scelti Scienze.—Opuscoli scelti sulle Scienze e sulle Arti. 4°. Milano.

Overs. Danske Vid. Selsk. Forh.—Oversigt over det kongelige Danske Videnskabernes Selskab. Forhandlinger. 8°. Kjöbenhavn.

Owens Coll. Mus. Handb.—Owens College Museum Handbooks, Manchester Museum. 8°. Manchester.

Phil. Trans. Roy. Soc.—Philosophical Transactions of the Royal Society of London. 4°. London.

Pop. Sci. Review.—Popular Science Review. 8°. London.

Preuss. Jahrb.—Preussische Jahrbücher. 8°. Berlin.

Proc. Acad. Philad.—Proceedings of the Academy of Natural Sciences of Philadelphia. 8°. Philadelphia.

Proc. Amer. Acad. Arts Sci.—Proceedings of the American Academy of Arts and Sciences. 8°. Boston.

Proc. Amer. Assoc.—Proceedings of the American Association for the advancement of Science. 8°. Salem.

Proc. Ashmol. Soc.—Proceedings of the Ashmolean Society of Oxford. 8°. Oxford.

Proc. Belfast Nat. Field Club.—Proceedings of the Belfast Naturalists' Field Club. 8°. Belfast.

Proc. Boston. Soc. Nat. Hist.—Proceedings of the Boston Society of Natural History. 8°. Boston, U.S.A.

Proc. California Acad., Zool.—Proceedings of the California Academy of Sciences. Zoology. 8°. San Francisco.

Proc. Dublin Micr. Club.—Minutes of the Proceedings of the Dublin Microscopical Club. 8°. Dublin.

Proc. Essex Inst.—Proceedings of the Essex Institute. 8°. Salem.

Proc. Internat. Zool. Congr.—Proceedings of the International Zoological Congress. 8°. Cambridge.

Proc. Linn. Soc. Lond.—Proceedings of the Linnean Society of London. 8°. London.

Proc. Linn. Soc. N. S. Wales.—Proceedings of the Linnean Society of New South Wales. 8°. Sydney.

Proc. Lit. Phil. Soc. Liverp.—Proceedings of the Literary and Philosophical Society of Liverpool. 8°. London & Liverpool.

Proc. Liverp. Biol. Soc.—Proceedings and Transactions of the Liverpool Biological Society. 8°. Liverpool.

Proc. Liverp. Geol. Soc.—Proceedings of the Liverpool Geological Society. 8°. Liverpool.

Proc. Portland Soc.—Proceeding of the Portland Society of Natural History. 8°. Portland.

Proc. Roy. Inst.—Notices of the Proceedings at the Meetings of the Members of the Royal Institution of Great Britain, . . . 8°. London.

Proc. Roy. Irish Acad.—Proceedings of the Royal Irish Academy. 8°. Dublin.

Proc. Roy. Phys. Soc. Edinb.—Proceedings of the Royal Physical Society of Edinburgh. 8°. Edinburgh.

Proc. Roy. Soc. Canada.—Proceedings and Transactions of the Royal Society of Canada. 8°. Ottawa.

Proc. Roy. Soc. Edinb.—Proceedings of the Royal Society of Edinburgh. 8°. Edinburgh.

Proc. Roy. Soc. Lond.—Proceedings of the Royal Society of London. 8°. London.

Proc. U. S. Nation. Mus.—Proceedings of the United States National Museum. 8°. Washington.

Proc. Washington Acad.—Proceedings of the Washington Academy of Sciences. 8°. Washington.

Proc. Yorks. Geol. Soc.—Proceedings of the Yorkshire Geological and Polytechnic Society. 8°. Halifax.

Proc. Zool. Soc. Lond.—Proceedings of the Scientific Meetings of the Zoological Society of London. 8°. London.

Progr. Univ. Warshau.—Universitetskija izvěstiga Varšavskij. 8°. Warshau.

Pr.-verb. Soc. Sci. Bordeaux.—Procès-verbaux de la Société Linnéenne de Bordeaux. 8°. Bordeaux.

Publ. Carnegie Inst.—Carnegie Institute of Washington publications. 4° and 8°. Washington.

Qrt. Jrn. Geol. Soc.—The Quarterly Journal of the Geological Society. 8°. London.

Qrt. Jrn. Micr. Sci.—The Quarterly Journal of Microscopical Science. 8°. London.

Rec. zool. Suisse.—Recueil zoologique Suisse; . . . (to 1892). Revue Suisse de Zoologie (from 1893). 8°. Genève.

Redia.—"Redia." Giornale di Entomologia. 8°. Portici.

Rend. Accad. Sci. Napoli.—Rendiconto dell'Accademia delle Scienze fisiche e matematiche. 4°. Napoli.

Rep. Brit. Assoc.—Report of the British Association for the Advancement of Science. 8°. London.

Rep. (Ceylon) Pearl Oyster Fish.—Report to the Government of Ceylon on the Pearl Oyster Fisheries of the Gulf of Manaar. (Royal Society.) 4°. London.

Rep. Cornw. Polyt. Soc.—Royal Cornwall Polytechnic Society. Annual Report. 8°. Falmouth.

Rep. Danish biol. Stat.—Report of the Danish biological Station to the Board of Agriculture. 8°. Copenhagen.

Rep. Fish. Board Scotl.—Annual Report of the Fishery Board for Scotland. 8°. Edinburgh.

Rep. Fisheries Ireland.—Report on the Sea and Inland Fisheries of Ireland. 8°. Dublin.

Rep. Lanc. Sea-fish Lab.—Report of the Lancashire Sea-fish Laboratory. 8°. Liverpool.

Rep. Liverp. Micr. Soc.—Annual Report of the Liverpool Microscopical Society. 8°. Liverpool.

Rep. Peabody Acad. Sci.—Peabody Academy of Sciences. Annual Report of the Trustees. 8°. Salem, Mass.

Rep. Smithson. Inst.—Annual Report of the Board of Regents of the Smithsonian Institution. 8°. Washington.

Rep. U. S. Fish. Comm.—United States Commission of Fish and Fisheries. Report of the Commissioner. 8°. Washington.

Rev. biol. Nord France.—Revue biologique du Nord de la France. 8°. Lille.

Rev. internat. Enseignem.—Revue internationale de l'Enseignement. 8°. Paris.

Rev. Mag. Zool.—Revue et Magazin de Zoologie, pure et appliquée. 8°. Paris.

Rev. scient.—Revue scientifique. 4°. Paris.

Rev. Sci. nat. Montpell.—Revue des Sciences naturelles. 8°. Montpellier.

Rev. Sci. nat. St. Pétersb.—Revue des Sciences naturelles. Publiée par la Société des Naturalistes à St. Pétersbourg. 8°. St. Pétersbourg.

Rev. Suisse Zool.—Revue Suisse de Zoologie et Annales du Musée d'Histoire naturelle de Genève. 8°. Genève.

Ric. Labor. anat. Roma.—Ricerche fatte nel Laboratorio di anatomie normale della R. Università di Roma. 4°. Roma.

Rivista Marittima.—Rivista Marittima. 8°. Roma.

Rozpr. Akad. Kraków.—Rozprwy i Sprawozdania z posiedzeń wydzialu matematyczno-przyrodniczego Akademii Umiejętnósci. 8°. Kraków.

Rozpr. Akad. Umiejętnósci. See *Rozpr. Akad. Kraków.*

Schr. Ges. Königsb.—Schriften der physikalisch-ökonomischen Gesellschaft zu Königsberg in Preussen. 4°. Königsberg.

Schr. Ver. Schleswig-Holst.—Schriften des naturwissenschaftlichen Vereins für Schleswig-Holstein. 4°. Kiel.

Science.—Science: a weekly journal. 4°. New York.

Sci. Gossip.—Hardwicke's Science Gossip. 4°. London.

Sci. Mem., Nat. Hist.—Scientific Memoirs selected from the Transactions of Foreign Academies. A. Natural History. . . . 8°. London.

Sci. Proc. Roy. Dublin Soc.—The Scientific Proceedings of the Royal Dublin Society. 8°. Dublin.

Sci. Progress.—Science Progress: a Monthly Review of current Scientific Investigation. 8°. London.

Scott. Geogr. Mag.—The Scottish Geographical Magazine. 8°. Edinburgh.

Sitzber. Akad. Wiss. Berlin.—Sitzungsberichte der königlich-preussischen Akademie der Wissenschaften zu Berlin. 8°. Berlin.

Sitzber. Akak. Wiss. Wien.—Sitzungsberichte der mathematisch-naturwissenschaftlichen Classe der kaiserlichen Akademie der Wissenschaften. 8°. Wien.

Sitzber. Ges. Freunde Berlin.—Sitzungsberichte der Gesellschaft naturforschender Freunde zu Berlin. 8°. Berlin.

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Sitzber. Soc. Erlangen.—Sitzungsberichte der physikalisch-medicinischen Societät zu Erlangen. 8°. München.

Skrift. Kiobenh. Selskab.—(Det) Kongeligt Danske Videnskabernes Selskab Skrifter. 4°. Kjöbenhavn.

Skrift. Vid.-selsk. Krist.—Skrifter udgivne i Videnskabs-Selskabet i Kristiania. 8°. Kristiania.

Smithson. Contrib. Knowl.—Smithsonian Contributions to Knowledge. 8°. Washington.

Smithson. Misc(el). Coll(ect).—Smithsonian Miscellaneous Collections. 8°. Washington.

Stud. Biol. Owens Coll.—Studies in Biology from the Biological Department of the Owens College. 8°. Manchester.

Student.—Student and Intellectual Observer of Science, Literature, and Art. 8°. London.

Stud. Johns Hopkins Univ.—Johns Hopkins University, Baltimore. Studies from the Biological Laboratory. 8°. Baltimore.

Svenska Vet.-Akad. Aarsb.—Kongliga Svenska Vetenskaps-Akademiens Aarsberetning. 8°. Stockholm.

Svenska Vet.-Akad. Handl.—Kongliga Svenska Vetenskaps-Akademiens Handlingar. 4°. Stockholm.

Tagebl. Ges. Nat. Moskau, Zool.—[Journal of the Zoological Section of the Imperial Society of Naturalists of Moscow.] 8°. Moscou. (For German title.)

Tagsber. Fortschr.—Tagsberichte über die Fortschritte der Natur- und Heilkunde. 8°. Weimar.

Tijdschr. Nederl. Dierk. Ver.—Tijdschrift der Nederlandsche Dierkundige Vereeniging. 8°. Leiden.

Trans. Connect. Acad.—Transactions of the Connecticut Academy of Arts and Sciences. 8°. New Haven.

Trans. Ealing Nat. Sci. Soc.—Report and Transactions of the Ealing Natural Science and Microscopical Society. 8°. Ealing.

Trans. Edinb. Field Nat. Soc.—Transactions of the Edinburgh Field Naturalists' and Microscopical Society. 8°. Edinburgh.

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Trans. Geol. Soc. Cornwall.—Transactions of the Royal Geological Society of Cornwall. 8°. London & Penzance.

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Trav. Soc. Univ. Kharkow.—Travaux de la Société des Naturalistes à l'Université impériale de Kharkow. 4° and 8°. Kharkov.

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Trav. Stat. zool. Wimereux.—Travaux de la Station zoologique de Wimereux. 4°. Paris.

Tromsö Mus. Aarsh.—Tromsö Museums Aarshefter. 8°. Tromsö.

Trondhj. Selsk. Skrift.—Det kongelige Norske Videnskabers-Selskab Skrifter. 8°. Trondhjem.

Univ. California publ., Zool.—University of California publications. Zoology. 8°. Berkeley.

Ver. geogr. Inst. Berlin.—See *Ver. Inst. Meeresk. Berlin.*

Verh. Akad. Leop.-Car.—Verhandlungen (now Abhandlungen) der kaiserlichen Leopoldinisch-Carolinischen deutschen Akademie der Naturforscher. 4°. Halle a Saale, &c.

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Verh. deutsch. zool. Ges.—Verhandlungen der deutschen zoologischen Gesellschaft. 8°. Leipzig.

Verh. Ges. deutsch. Naturf.—Verhandlungen der Gesellschaft deutscher Naturforscher und Aerzte. 8°. Leipzig.

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Verh. internat. zool. Congr.—Verhandlungen des internationalen zoologischen Congresses zu Berlin. 8°. Jena.

Verh. Rijks-inst. Onderz. Zee.—Verhandelingen uit het Rijksinstituut voor het Onderzoek der Zee. 4°. Helder; 'S-Gravenhage.

Ver. Inst. Meeresk. Berlin.—Veröffenlichungen des Instituts für Meereskunde und des geographischen Instituts an der Universität Berlin. 8°. Berlin.

Vet.-Akad. Handl.—Kongl. Vetenskaps-Akademiens Handlingar. 8°. Stockholm.

Vid. Medd. Foren. Kjöbenh.—Videnskabelige Meddelelser fra den naturhistoriske Forening i Kjöbenhavn. 8°. Copenhagen.

Vid.-selsk. Christ. Skrift.—Videnskabs-selskabet i Christiania. Skrifter. 8°. Christiania.

Vierteljahrschr. Ges. Zürich.—Vierteljahrschrift der naturforschenden Gesellschaft in Zürich. 8°. Zürich.

Würzburg. naturw. Zeitschr.—Würzburger naturwissenschaftliche Zeitschrift. . . . der physikalischen-medicinischen Gesellschaft. 8°. Würzburg.

Year Book Carnegie Inst.—Year Book of the Carnegie Institution of Washington. 8°. Washington.

Zapiski Kiev. Obshch.—Zapiskī Kievskagho Obshchestva estestvoīspuitateleĭ. 8°. Kiev.

Zeitschr. allgem. Physiol.—Zeitschrift für allgemeine Physiologie (Max Verworn's). 8°. Jena.

Zeitschr. Ges. Erdkunde Berlin.—Zeitschrift für allgemenie Erdkunde im Auftrage der Gesellschaft zu Berlin. 8°. Berlin.

Zeitschr. klin. Med.—Zeitschrift für klinische Medizin. 8°. Breslau.

Zeitschr. Malakoz.—Zeitschrift für Malakozoologie. 8°. Hannover.

Zeitschr. Naturw.—Zeitschrift für Naturwissenschaften. 8°. Halle, &c.

Zeitschr. physiol. Chem.—Zeitschrift für physiologische Chemie. 8°. Strassburg.

Zeitschr. wiss. Mikr.—Zeitschrift für wissenschaftliche Mikroskopie und für mikroskopische Technik. 8°. Braunschweig.

Zeitschr. wiss. Zool.—Zeitschrift für wissenschaftliche Zoologie. 8°. Leipzig.

Zool. Annalen.—Zoologische Annalen. 8°. Würzburg.

Zool. Anzeig.—Zoologischer Anzeiger. (Deutsche zoologische Gesellschaft.) 8°. Leipzig.

Zool. Beiträge.—Zoologische Beiträge. 8°. Breslau.

Zool. Bull. Woods Holl.—Zoological Bulletin [of the Marine Biological Laboratory of Woods Holl]. 8°. Boston, U.S.A.

Zool. Centralbl.—Zoologisches Centralblatt. 8°. Leipzig.

Zool. Jahrb., Anat.—Zoologische Jahrbücher. Abtheilung für Anatomie und Ontogenie der Thiere. 8°. Jena.

Zool. Jahrb., Suppl.—Zoologische Jahrbücher. Supplement. 8°. Jena.

Zool. Jahrb., Syst.—Zoologische Jahrbücher. Abtheilung für Systematik, Geographie, und Biologie der Thiere. 8°. Jena.

Zool. Jahresb.—Zoologischer Jahresbericht, herausgegeben von der zoologischen Station zu Neapel. 8°. Berlin.

Zool. Jrn.—Zoological Journal. 8°. London.

Zool. Mag. Tokyo.—The Zoological Magazine: organ of the Zoological Society of Tokyo. 8°. Tokyo.

Zoologica.—Zoologica. Abhandlungen aus dem Gesamtgebiete der Zoologie. (To 1897, Bibliotheca Zoologica.) 4°. Stuttgart.

Zoologist.—The Zoologist: a Monthly Journal of Natural History. 8°. London.

Zool. Record.—The Zoological Record. (Zoological Society.) 8°. London.

Zool. Zentralbl.—Zoologisches Zentralblatt. (To 1907, Zool. Centralbl.) 8°. Leipzig.

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For the Sixty-fifth Year, 1908.

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In Course of Publication.

The British Desmidiaceæ. By W. West and Prof. G. S. West. (Vol. V for 1914.)

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